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Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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Volume 148 No. 16 — Schnell Publishing Company, Inc., Publishers — October 15, 1945

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Merck 'Cartel' Suit Settled by Consent

Entry October 6 in the United States District Court in Trenton, N. J., of a consent judgment terminating a civil antitrust suit against Merck & Co., Rahway, was reported by Attorney-General Tom C. Clark.

The complaint, in which the Alien Property Custodian was joined as a plaintiff, charged that Merck & Co., officially referred to as the largest producer of pharmaceutical chemicals in the United States, and E. Merck Chemical Works, Darmstadt, Germany, with maintaining since 1932 a cartel agreement, in violation of the antitrust laws, with respect to some 400 chemicals and pharmaceuticals. Under the consent judgment, this agreement is dissolved and Merck & Co. is required to license any applicant under sixty patents on a royalty-free and unrestricted basis, and to surrender to the Alien Property Custodian, its rights to fifty patents formerly owned by E. Merck Chemical Works, these also to be available for royaltyfree licensing. Merck & Co. is also enjoined from vesting in the Darmstadt concern control over any of the former's business or business policy, and from entering into any arrangements with E. Merck Chemical Works to require the exchange or license of patents relating to pharma-

—*Continued on page 66*

Explosives Handlers Given General License

A general license for the manufacture, distribution, and storage of explosives and ingredients was issued October 9 by the Bureau of Mines in an amendment to the regulations under the Federal explosives act of December 26, 1941. Bureau officials emphasized the fact that the general license only relieves persons from applying for an individual license. It does not relieve them from other duties under the act, such as requirements as to storage, keeping of records, etc.

The license is extended to every person defined in the act and regulations, who is not otherwise prohibited by law or by regulation or by proclamation of the War Department, the attorney-general, or any other Federal agency, from manufacturing, distributing, and otherwise handling explosives. The license covers the manufacture, distribution, possession, purchase, acceptance, receiving, acquiring, storing, selling, issuing, or otherwise disposing of and using explosives and ingredients.

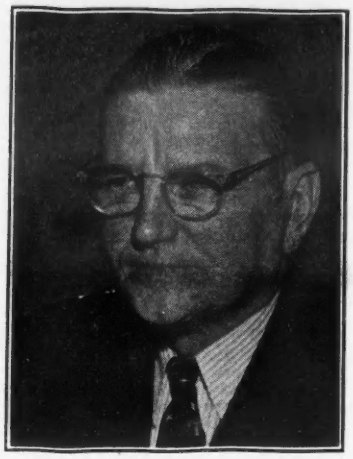
The general license relieves persons covered by it from the duty of applying for and securing licenses under the explosives act and the regulations. The authority of licensing agents under the act and regulations to issue licenses is suspended until the general license expires, that is, when revoked by the director of the Bureau of Mines or when the Federal explosives act and the regulations are of no further force or effect.

Smith Technical Adviser To Agricultural Ass'n

Dr. Charles L. Smith has been named technical adviser to the Agricultural Insecticide and Fungicide Association. He succeeds Dr. Robert E. Wean, who has joined the Geigy Company, New York.

Dr. Smith majored at Rutgers University in entomology, and followed with research work on nicotine, rotenone and pyrethrum insecticides under industry-sponsored fellowships. His experience also includes service with four manufacturers as insecticide control laboratory chief, analytical chemist and technical adviser, and plant superintendent, and in screening new materials for insecticidal action, field testing, and formulation of finished insecticides.

CPA Administrator



John D. Small is Administrator of Civilian Production Administration, which will succeed the War Production Board November 3.

Price Discrimination Law Tightening Asked

Legislation to tighten up the Federal law against price discrimination to require that the same discount shall be available to all buyers of the same seller has been introduced in the house by Representative Wright Patman of Texas.

The bill (H. R. 4201) is an amendment to section 2(a) of the "Act to supplement existing laws against unlawful restraints and monopolies" (U.S.C. 1940 edition, title 15, sec. 13a) and inserts at the end of the first proviso, a new proviso reading as follows:—

"Provided, however, That no seller shall sell a commodity at a price or at a discount, by reason of quantities sold, or seasonal orders, or for any other reason, unless he has made the availability of such price and/or such discount under the same conditions known to all of his customers, and unless such price and/or such discount under the same conditions is, after having been so made known, in fact available to all of his other customers for a reasonable period of time, according to customary trade practices."

The amendment to the law would become effective as to sales made after

Drug Surplus Disposal Placed With New Agency

OPD Washington Bureau

An Office of War Property Distribution has been established in the Federal Security Agency to assist the Surplus Property Administration in programing the disposal of surplus drugs, health supplies, and similar products to States and local communities. Robert Ayres, formerly with FSA general counsel's office in Baltimore, has been named in charge.

The new office was set up by Paul V. McNutt, just before his resignation as FSA administrator to become High Commissioner of the Philippines, in contemplation of action by the Surplus Property Board directing FSA to aid the disposal agencies in meeting the requirements of the law in making surplus products available to the States in the field of health and education.

The new office is just in its preliminary stages of organization, and the exact functions it will perform have not yet been clearly outlined by the Surplus Property Board. In all probability, however, it is believed that one of its chief objectives will be to make surveys of State needs for drugs, medicines, hospital equipment, and the like, and keep the disposal agencies advised on these needs so that they can plan their sales programs accordingly.

Priority Period Shortened

Under the provisions of the surplus disposal law, States and local communities have a priority on available supplies of materials being released by the military. After their needs have been met and othr priority holders, such as war veterans and other Federal agencies, have been met, the surpluses become available to commercial buyers.

Until recently surpluses have been held off the market for a period of thirty days, during which time the States, local communities, and other priority holders were to exercise their priority rights. If they failed to do

—*Continued on page 67*

Mason Confirmed As FTC Member

OPD Washington Bureau

Nomination of Lowell B. Mason of Illinois as a member of the Federal Trade Commission was confirmed by

Lowell B. Mason

the senate October 9. Mr. Mason succeeds to the vacancy caused by the death of Charles H. March. He will fill out the unexpired term of Mr. March, running to September 26, 1949.

Drug Conference May Meet

The executive committee of the National Drug Trade Conference has scheduled a meeting for November 9 in the Washington hotel, Washington, to consider plans for a meeting of the conference in December.

Vitamin D Patent Appeal Again Denied

The Wisconsin Alumni Research Foundation again has lost its appeal in the Supreme Court of the United States for review of the validity of its Steenbock patents for the production of Vitamin D. The foundation's request for a rehearing of its petition for a review of the decision of the United States Circuit Court of Appeals for the Ninth Circuit, which held the patents invalid, was denied by the supreme court on its first "working" day of the new term, October 8.

The lower court had held that the Steenbock patents were invalid on the grounds that the processes they covered were not "inventions" within the meaning of Congress in the patent laws. It held that they were valuable discoveries only in the interest of pure science. As a result of the supreme court's refusal to reopen the case, the decision of the circuit court now stands as final.

Chicago A.C.S. Elects Arveson Chairman

The Chicago Section of the American Chemical Society has elected M. H. Arveson, senior technologist in the patent and development department of the Standard Oil Company of Indiana, as chairman of the section to succeed Robert E. Zinn, chief chemical engineer of the Victor Chemical Works. Donalee L. Tabern, Abbott Laboratories, has been chosen first vice-chairman, and Charles L. Thomas, Universal Oil Products Company, second vice-chairman.

Featuring the 1945 program will be an all-day technological conference at the Technological Institute of Northwestern University on November 16. The major event of 1946 will be the national meeting of the American Chemical Society, which will be held September 9-13.

Research Program Legislation Splits Scientists' Views

OPD Washington Bureau

Fears that Federal support of scientific research will eventually lead to political management of research was the general theme that ran through the testimony of leading scientists of the country this week as they began airing their views on legislation pending before the war mobilization subcommittee of the senate for establishment of a national foundation for research.

Although the attention of the committee was held largely by sensational testimony relating to the atomic bomb and how other nations were hard at work on this secret with forecasts that some of them—Russia being named in particular—might even surpass our achievement of this new powerful weapon within ten years, the reluctance of the scientists to approve of the government's going all-out on a program of scientific research was a notable feature of the hearings.

Overall central direction of scientific research in the United States, it was warned, might easily stymie the advancement of scientific development. The scientific brains of the United States are too diversified and too powerful to permit detailed administrative control from a single center of the expenditure of money or to permit tight business management of laboratory and field work, the committee was told.

Those appearing before the committee with expressions of views along these lines were Dr. Isaiah Bowman, of Johns Hopkins University; Dr. Irving Langmuir, of General Electric Research Laboratories; Dr. Harlow Shapley, of Harvard University, and Dr. C. F. Kettering, speaking for the American Association for the Advancement of Science.

Dr. Vannevar Bush, director of the Office of Scientific Research and Development, and Dr. James Bryant Conant felt, however, that much good could be accomplished by the legislation and urged its prompt passage by Congress. In particular they stressed the advisability of secrecy as regards some phases of atomic fission, and argued also for complete freedom and interchange of ideas among scientists. The proposed legislation they declared, would provide for both.

The hearings are being held on bills introduced by Senator J. William Fulbright of Arkansas (S. 1248), Senator Warren G. Magnuson of Washington (S. 1285), and on S. 1297 being sponsored jointly by three senators, Harley Kilgore of West Virginia, Edwin Johnson of Colorado, and Claude Pepper of Florida.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Oct. 11, 1945	Oct. 5, 1945	Oct. 13, 1944
133.8	**133.3**	**136.8**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Variety, more than basicity, characterized the revisions of price views in the markets for chemicals, oils, and drugs again last week. The major trend was upward; the major influence was in botanical drugs. Heavy materials were still unaffected. The general average was lifted as much as it had been lowered in the preceding week.

The volume and tone of business were still tied up with and by the exigencies of the domestic aftermath of the global war. Spottiness was the rule. Employment holes are more plentiful than more or less suitable pegs for them. Returning veterans need an interval of rest and recuperation All too many other employables are taking a rest—at greater expense to the economic community.

Late Market Developments

Larkspur Seed Off Sharply

Late last week, one prominent dealer took a market position highly favorable for buyers of larkspur seed when he reduced prices again—very sharply this time—to the basis of $1.10 per pound, spot. Goods in fairly nearby arrival position could be bought at $1.

Dutch Caraway Here

Closing prices covering a number of condiment items sold on Thursday developed history in the instance of caraway and poppy seeds. Dutch caraway seed, actually on spot, was offered at 74c. to 75c. per pound, and Dutch poppyseed futures were done at 40c. to 41c. Canadian caraway seed was reduced to 78c. to 79c. Dewhiskered Morocco caraway was lower at 67c. to 68c., and Syrian was down to 68c. to 69c. South American poppyseed was reduced to 64c. to 65c. Mexican allspice advanced sharply to 17c. to 17½c. per pound, and futures were up to 16½c. to 17c.

Flaxseed, Soybean Estimate Given for October 1

Flaxseed crop as of October 1 was estimated at 35,855,000 bushels by the Department of Agriculture, compared with 35,345,000 bushels, the previous month and last year's production of 23,527,000 bushels. Ten-year average is 21,684,000 bushels. Corn crop was estimated at 3,078,126,000 bushels against 3,069,055,000 bushels September 1 and total crop of 3,228,361,000 bushels in 1944 and the ten-year average 2,433,060,000. Soybeans crop was placed at 196,587,000 bushels, compared with 202,589,000 bushels last month and 192,863,000 bushels produced last year.

Alkali Prices Renewed for 1946

Solvay Sales Corporation, New York, has announced that, effective October 16, contracts for 1946 deliveries of soda ash, caustic soda and chlorine are being written. No changes have been made in price schedules currently effective, Prices for carloads, f.o.b. seller's works, are as follows:—

Soda Ash, 58 Percent

	Per 100 lbs.
Light, bulk	$0.90
bags, paper	1.05
bags, burlap	1.13
Extra light, bulk	.90
bags, burlap	1.13
Dense, bulk	.95
bags, burlap	1.15

Caustic Soda, 76 Percent

Solid, drums	$2.30
Flake, drums	2.70
Ground, drums	2.70
Powdered, drums	2.70
*50 percent liquid, seller's tankcars	1.95
Buyer's tankcars	1.925
*73 percent liquid, seller's tankcars	2.00
Buyer's tankcars	1.975

Liquid Chlorine

Single unit tankcars	$1.75
Multiple unit containers—	
Three cars or more	2.00
Two cars	2.50
One car	3.00

* Basis 76 percent Na_2O.

Joins Geigy Co.

Melvin Goldberg, for the last four years chief of the insecticides and fungicides unit of the chemical bureau of the War Production Board, has joined Geigy Company, New York.

Ammonia Plants Sale May Be Halted by RFC

OPD Washington Bureau

The Reconstruction Finance Corporation was seen facing the necessity of calling an immediate halt to its plans for sale or lease of the eight government-owned synthetic ammonia plants, the three big grain alcohol plants and all other government-owned plants engaged in processing of agricultural and forestry products as a result of action taken by the senate October 9.

Without a dissenting voice raised from any quarter, the senate gave its approval to the Butler resolution (S. Res. 176) calling upon the Secretary of Agriculture to make a complete survey and report to Congress by July 1, 1946, of the advisability of continuing operation of all Federally-owned plants and facilities used during the war for exclusive processing of agricultural commodities and foreign products or for manufacturing nitrates for fertilizer.

Pending the report from the Secretary, federal agencies having jurisdiction over the plants are requested to refrain from leasing, selling, or otherwise disposing of any such plants without the approval of the Secretary of Agriculture. And until such time as Congress has had an opportunity to study the recommendations of the Secretary and formulate a policy with reference to the future operation or disposition of the plants, the federal agencies having jurisdiction are requested to continue the operations of the plants if the products can be effectively used by the government, or provided the plants can be used to process surplus or perishable crops.

The resolution has not the effect of law because it does not go to the house for approval or the President for his signature. It amounts only to an expression by the senate that this, that or the other thing should be done.

Libbey-Owens Plans Research Expansion

An expansion program to enlarge its research activities by the construction of new laboratory and experimental facilities has been announced by Libbey-Owens-Ford Glass Company, Toledo.

Botanicals Exempt From Price Control

OPD Washington Bureau

All botanical drugs regardless of origin which are used in the manufacture of medicinals, aromatics and insecticides, and a few of the minor chemical products were exempted from price control by an order issued by the Office of Price Administration to become effective October 16.

The action was taken, it was explained, because none of the items enter into the cost of living, and due to the large number involved, coming from all parts of the world, the administrative burden of establishing appropriate maximum prices for their sale is disproportionate to the effectiveness of the controls. There is little or no likelihood, the OPA added, that, as a result of the withdrawal of price control from these items, sellers of them will enjoy an advantage over sellers of items which remain under price control in the competition for materials or manpower.

The following are exempted from price control:—

Botanical drugs, domestic and imported, whether crude, milled, ground or powdered, and solid, fluid and powdered extracts of the foregoing. (Domestic botanical drugs and crude botanical drugs imported from Canada have been exempt from price control for some time.)

Annatto seeds, aconitum heterophyllum, brucine sulphate, cochineal, emetine hydrochloride, gum ghatti saffron, saponin and thalium sulphate.

Price ceilings also are being suspended on chemical stoneware, talc, ground soapstone and pyrophyllite, and on calcium metal, ferroboron and other boron alloys, ferrophosphorus, lead bullet rod, and non-ferrous forgings.

Gov't-Owned Alcohol Plants May Make Sugar

OPD Washington Bureau

The senate committee on finance gave its approval October 9, to S. J. Res. 100, permitting Federally-owned alcohol plants to produce sugars or syrups simultaneously with the production of alcohol.

The committee's report pointed out that the authority would continue only until July 1, 1946, and is being proposed at this time to prevent the waste of large quantities of surplus potatoes produced in this year's crop and a large quantity of corn which has been damaged by floods or excessive rains. Comment also was made in the report that since the cessation of hostilities there is no necessity for continuing to produce alcohol in the plants in quantities sufficiently large to fully utilize the facilities.

National Patent Council Formed

Plans for a counter offensive against widely publicized attacks on the U. S. Patent System are being made by a nation-wide group of smaller manufacturers, representing twenty-eight classes of industries, according to an announcement today by John W. Anderson, president of the Anderson Company, Gar, Ind., leader of the movement.

The new organization, incorporated as National Patent Council, will be controlled by smaller manufacturers. Headquarters will be at Gary, Ind. Offices will be opened in New York and on the Pacific coast. Mr. Anderson is president of the American Fair Trade Council.

Paint, Varnish, Lacquer Sales: August

The value of paint, varnish, lacquer, and fillers sold in August, 1945, as reported by 60 establishments to the Bureau of Census, was $51,068,306. Details of sales reported by these establishments, with comparative data for 1944 and 1943, follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade-sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
1945—August	$51,068,306	$23,383,028	$22,208,312	$16,882,982	$5,325,330	$5,476,966
8 months	445,155,983	202,815,798	196,765,574	149,667,633	47,097,941	45,574,611
1944—August	58,712,041	27,990,179	24,945,254	19,024,534	5,920,720	5,776,608
8 months	420,500,085	203,118,621	176,107,805	131,674,948	44,432,857	41,273,659
1943—August	51,059,857	23,384,187	22,902,022	17,483,866	5,418,156	4,893,148
8 months	381,638,280	182,500,698	162,577,307	121,462,466	41,114,841	36,560,275

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Eagle-Picher Labor Case Settled

The Congress of Industrial Organizations and the National Labor Relations board accepted $250,000 in final settlement of their 10-year fight against the Eagle-Picher mining companies, largest operator in the Tristate lead and zinc field.

In an agreement filed in the Federal Circuit Court of Appeals at St. Louis by both sides, the union and government agency abandoned the long contest born with the Wagner act to collect more than $1,000,000 in back-pay for 209 miners who struck in 1935. The stipulation also dismissed all charges of unfair labor practices against the companies.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Chemical Equipment 'Trust' Charged

OPD Washington Bureau

International General Electric Company and Westinghouse Electric International Company were charged in a civil suit under the antitrust laws, filed by the government October 9 in the United States District Court for the Southern District of New York, with fixing prices and allocating between themselves sales of electrical equipment to chemical companies, oil companies, mining companies, banks and financial houses for use outside the United States.

Charges of unlawful combination to restrain trade with foreign nations in electrical equipment also were made in the suit against the parent companies—General Electric Company and Westinghouse Electric Company, and against Electrical Apparatus Export Association, formed about 1931 by IGE and International and jointly controlled by them.

Effects of the "combination and conspiracy" as listed in the complaint, the Department of Justice said, were:—

1. Competition between IGE and Westinghouse International has been restrained or eliminated in the sale of electrical equipment in trade and commerce with foreign nations.

2. Competition in the sale of electrical equipment among IGE, Westinghouse International and various foreign companies for use in foreign nations has been restrained or suppressed.

3. The trade and commerce of domestic competitors of defendants GE, IGE, Westinghouse and Westinghouse International with foreign nations has been suppressed or restrained.

Gov't Price Control Termination Asked

OPD Washington Bureau

The board of directors of the Chamber of Commerce of the United States has adopted a resolution calling for a definite end to all government price controls within six months after the termination of hostilities.

The emergency price control act, as extended June 30, calls for termination of price control one year after that date. At the time this legislation extending the act was before Congress the chamber proposed that the act be extended for one year, or six months after the end of hostilities, whichever might be earlier.

Since Japan surrendered, business men have expressed to the Office of Price Administration the view that many price controls can now be dropped and that all controls should be eliminated as rapidly as possible. Under the price control act, the Administrator has authority to ease controls as supply begins to balance demand, without waiting for the expiration of the act.

ODT Export Permit Order Relaxed

OPD Washington Bureau

The Office of Defense Transportation has announced that commercial freight may now be shipped to ports for export without the necessity of obtaining ODT export permits. This action was taken by the issuance of General Permit ODT 16B-3, which frees all commercial freight from the unit permit requirements of General Order **ODT 16B.**

Commercial freight destined for overseas export may now proceed as in peacetime except that each shipment must be covered by a bona fide booking with the ocean carrier unless consigned to pre-arranged port storage, and that rail transportation shipping documents must carry the certification by the shipper: "General Permit ODT 16B-3 applies."

General Order ODT 16B remains in force for freight shipped for export by the Army and Navy, and all government agencies including such organizations as the Red Cross and United Nations Relief & Rehabilitation Administration.

N.W.D.A. Convention Set

The National Wholesale Druggists Association plans to hold a full convention in New York during the last week in September, 1946.

The surplus goods pricing system of the Department of Commerce's Office of Surplus Property has been made the target of a considerable amount of criticism recently because it tends to favor the chain stores and mail-order houses against their small independent competitors. Chain stores and mail-order houses have been getting a small-lot price preference over independent retailers of as much as 20 percent in some lines. Recent examples cited are chairs, shotguns, saddles, and toolchests.

The argument of the chains is that they should be entitled to some discount because they are subjected to certain warehousing and repackaging expenses not normally borne by small firms. But the rub is that quite often they are given the discount on small lots that do not require repacking or run into warehouse expenses, although the law says that sales of the surpluses by the government shall be in such a manner as to "strengthen and preserve the competitive position of small business concerns."

W. Stuart Symington, Surplus Property Administrator, has been looking into the situation for several weeks and is preparing to issue orders in the immediate future that will correct the situation. Secretary of Commerce Wallace, who is supposed to be championing the cause of little business in the government, apparently slipped up on this one.

Sugar for Coughdrops

That windfall of 1,600,000 tons of sugar found stored in Java after the nips were kicked out by the Allies has turned out to be just one big headache for OPA. Secretary of Agriculture Anderson no sooner made the announcement of the "find" than OPA began to be flooded with inquiries as to how soon it was going to boost quotas for sugar users.

The trouble lies in the fact that Mr. Anderson hasn't yet notified OPA officially of this unexpected supply of sugar. Also many reports are being circulated that the 1,600,000-ton estimate was too optimistic and that the find might amount to only half this total. And finally, whatever sugar has been found is 6,000 miles away, and it would take weeks for any of it to reach our shores.

The bare announcement that some unexpected supply of sugar has been found has geared up the hopes of coughdrop manufacturers of having their biggest problem eased for them. They are working hard on OPA now to have coughdrops taken out of the classification of confectionery where the sugar quota to manufacturers is limited to 60 percent, and put back in the drug classification with its more liberal sugar allotment.

Warplants Costs and Taxes

President Truman has declared that, insofar as section 124(e)(2) of the internal revenue code is concerned, the emergency period is now ended, and war contractors do not have to apply to WPB any more for authority to write off the cost of their warplants for tax purposes in less than five years.

During the war WPB, and previously the War and Navy departments, issued "necessity certificates" to war contractors who used their own funds to finance plants needed in the military program, permitting them to deduct varying proportions of the cost of these plants over a five-year period in filing their income tax returns. The purpose was to prevent contractors from writing off the cost of these facilities too quickly at a time when the government needed the tax money that should come from their earnings.

The proclamation now permits amortization to take place in a shorter period of time if the date of the proclamation is within sixty months from the beginning of the amortization period with respect to the emergency facilities. The taxpayer who elects to take the increased amount of deductions thus allowed is required to spread them evenly over the shorter period of time and file a statement with the Commissioner of Internal Revenue in the next ninety days advising him of his intentions.

Costlier Carton Available

Toothpaste manufacturers and producers of other consumer items who want to get a more attractive carton for their products by having the container manufacturers substitute a higher-priced paperboard than normally used should find it easier to get it now. They will have to pay more for the carton, but they should not find a disinclination on the part of the carton producer to substitute a higher-priced material.

This has all been made possible by recent action of OPA in permitting carton manufacturers to use higher-priced substitute materials and pass the added cost on to the buyer. Up to now OPA has been trying to discourage substitution of higher-priced substitutes by requiring the manufacturers to absorb the difference between the cost of the substitute used and materials regularly used. This was to save the substitutes for other, more essential uses and also to hold the line against price increases.

To discourage raw material substitutions at the present time would not be in accordance with the OPA policy of aiding an orderly transition to peacetime industrial operations, and the paper products price order RMPR-157 is changed accordingly. Retailers, however, are warned that they can't charge more for the products contained in the new fancy packages.

A.F.L. President Speaks

"Bill" Green made a speech before the Veterans of Foreign Wars in Chicago recently that didn't receive quite the amount of publicity that it should have—probably due to the fact that what his union followers were doing in the way of walking off their jobs, getting into fights, and the like, made better front-page material than what he had to say.

Mr. Green is president of the A. F. of L., and in this capacity he invited the nation's veterans to join hands with labor and "carry on the good fight together" for economic progress and lasting peace. He said labor and war veterans "are in the same boat"; that their interests are tied in closely together; and that "their hopes for the future of America and the world point in the same direction."

Turning then to foreign policy, Mr. Green added:—

We think it is completely shameful that some of the nations which made such idealistic pledges during the war are now behaving like greedy spoilsmen. This is no time for petty bickering, for appeasement, or for seeking temporary advantages.

How about some unions, Mr. Green?

'Hollywood' as Trade-Name

Hollywood can now claim the distinction of being another of those cities whose name can't be bandied around commercially as a "come-on" to arouse buyer interests. Anybody using the term, "Hollywood," as part of the brand-name of a product he sells had better make certain that the products are actually produced in Hollywood, or he will find himself answering to FTC.

The commission has come to view "Hollywood" as something closely associated with beauty—although there is room for argument about some of the beauties it has produced—just as Grand Rapids is recognized as the center of fine furniture, or Paris as the center of fine perfumes. Consequently the commission holds that the public is deceived when it is asked to purchase cosmetics under a "Hollywood" brand that were not actually produced in Hollywood.

And the commission can make its decision stick. The Supreme Court of the United States has just upheld the commission's order stopping Howe & Co. from selling cosmetics under the general trade-name, "Howe's Hollywood Cosmetics," which were not actually produced in Hollywood.

Lead Quotas Lifted For Chemical Makers

All enduse restrictions on lead in the production of lead chemicals have been eliminated and an overall quota for the production of lead chemicals has been established, the War Production Board has announced October 10. This action, effected by an amendment to M-384, governing lead chemicals, is intended to increase the overall of permitted quantities of lead chemicals and to provide greater flexibility in their use.

Producers are now restricted to a maximum quota in each quarter of 55 percent of the aggregate quantity of lead that they put into process for production of lead chemicals during the first six months of 1944. A carryover clause is included in the amendment, permitting the use in any later quarters of unused quantities granted under the quota provisions.

In order to be assigned quotas, newcomers in the industry are required to apply by filing a letter with the War Production Board's Chemicals Bureau, Washington 25, D. C., reference M-384. This letter should include all pertinent information concerning the lead chemicals which the applicant wishes to manufacture and what facilities he has for this purpose and the estimated quantity required.

Appeals must be filed and should include data concerning the reasons for the appeal. The amendment to the order eliminates inventory reporting provisions of the order.

Petroleum Chemicals Output: 1944

Production of chemical raw materials derived from petroleum amounted to 3,000,000,000 pounds, according to the United States Tariff Commission. However, the data probably contain some duplication of statistics as reported, owing to the conversion of butane distillate fractions to butenes which are reported separately. These raw materials consisted chiefly of xylene, ethylene, butadiene, propane, propylene, butenes, and butanes. Excluded are petroleum products consumed principally as fuels, and also toluene which is included among the coaltar products to preserve the continuity of statistics published earlier. Many of these chemical raw materials were used to make products used in the manufacture of synthetic rubber.

	Pounds	
	Production	Sales
"Crudes" from petroleum[1]—		
Cresylic acid, crude.	[2].....	[2].....
Naphthenic acid....	28,462,000	15,524,000
Xylene, all grades[3].	354,639,000	245,648,000
Hydrocarbons—		
C_2 hydrocarbons—		
Ethylene[4]	272,188,000	216,733,000
C_3 hydrocarbons—		
Propane and propylene	214,555,000	187,100,000
C_4 hydrocarbons—		
1,3-Butadiene, grade for rubber[4]	488,945,000	482,744,000
1-Butene and 2-butene mixture....	202,380,000	200,774,000
All other.....	569,087,000	551,885,000
All other[5].....	871,240,000	883,953,000

[1] The chemical raw materials designated as "crudes" from petroleum may include some compounds identical with those obtained by the carbonization of coal or the processing of coaltar; those derived from coaltar, however, are excluded from this table.

[2] Data of production and sales of crude cresylic acid from petroleum have been included with "All other" in order to prevent the disclosure of the operations of individual producers. In 1944 the production of cresylic acid, crude, from petroleum and coaltar combined amounted to 29,052,000 gallons; total sales, 26,175,000; sales value at $1,302,000.

[3] Includes all grades of xylene; nitration grade 1°, aviation grade and all other grades.

[4] Data for production and sales of butadiene and ethylene produced from alcohol are given in table 16.

[5] Represents data of production and sales for benzene and other "crudes" from petroleum and of petroleum-derived hydrocarbons. Data for toluene produced at petroleum refineries not included.

War Plants Dismantling Not Subject to OPA

Charges for dismantling or removal of war plants owned by the United States or an Allied government will be exempt from price control, the Office of Price Administration, has announced. This exemption, effective October 8, 1945, will not increase business costs or the cost of living. The War Department requested the action.

OPA said that because of the many different types and locations of war plants, as well as the varied services required in dismantling and removal operations, price control over these services involved administrative difficulties disproportionate to their contribution to the stabilization program.

What's NEW at NYQ

ARMY SERVICE FORCES
OFFICE OF THE COMMANDING GENERAL
WASHINGTON 25, D. C.

7 September 1945

Mr. Irving McKesson, President
New York Quinine & Chemical Works, Incorporated
99-117 North 11th Street
Brooklyn, New York

My dear Mr. McKesson:

Your company has played a very important part in producing the equipment and supplies which have been such a decisive factor in winning the war. You and your associates and employees must have a deep sense of satisfaction as you look back upon your accomplishments on the war production front.

Now that the war is won, I want to express to you the gratitude and appreciation of the Army Service Forces for the magnificent achievements of your organization.

The energy, initiative, and efficiency which industrial concerns like yours have demonstrated in the war effort give me complete confidence that the problems of transition to normal peacetime production will be met with the same effectiveness as those of war time and will be as swiftly and as successfully solved.

With all good wishes for the future, I remain

Very sincerely yours

BREHON SOMERVELL
General, Commanding

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Flavor and Perfume Materials Output: 1944

United States production of flavor and perfume materials totaled 16,278,500 pounds, according to the United States Tariff Commission. A breakdown of production and sales follows:—

	Pounds	
	Production	Sales
Cyclic Materials		
Total	11,725,800	11,048,900
Benzanoid		
Total	7,425,200	6,879,500
a-Amylcinnamaldehyde	80,300	74,700
Amyl salicylate	221,900	198,600
Anethole	385,200	407,700
Anisaldehyde	62,500	54,500
Anisyl acetate	.....	4,000
Anisyl alcohol	2,500	1,700
Benzyl alcohol	204,300	194,300
Benzyl acetate	331,900	328,700
Benzyl butyrate	1,000	1,100
Benzyl cinnamate	2,800	2,700
Benzyl formate	500	700
Benzyl propionate	3,400	2,800
Benzyl salicylate	23,700	21,200
Cinnamaldehyde	347,500	.....
Cinnamic acid	7,700	.....
Cinnamyl acetate	700	500
Cinnamyl alcohol	34,400	34,500
Ethyl anthranilate	.....	100
Ethyl benzoate	.....	1,700
Ethyl cinnamate	400	700
Ethylmethylphenyl glycidate	.....	1,700
Ethyl salicylate	.....	300
Eugenol	55,000	58,700
Gaiacyl acetate	200	.....
Isoeugenol	.....	29,000
Methyl benzoate	53,000	.....
Methylbenzyl alcohol (methylphenyl carbinol) (styralyl alcohol)	700	700
Methyl cinnamate	1,100	2,800
Methyl eugenyl ether (methyleugenol)	.....	1,900
Methyl isoeugenyl ether	4,100	.....
methyl silicylate (wintergreen oil)	3,412,000	3,127,100
Musk xylene	139,000	128,100
Phenethyl alcohol (phenylethyl alcohol)	284,500	268,400
Phenethyl propionate	.....	400
3-Phenyl-1-propyl acetate	200	200
Vanillin	653,000	681,200
All other*	1,111,700	1,252,300
Terpenoid and Heterocyclic		
Total	4,300,600	4,169,400
Cedryl acetate	11,900	11,500
Citral	48,100	42,000
Citronellol	33,100	36,500
Citronellyl acetate	400	700
Coumarin, synthetic	259,800	244,000
Geraniol	62,000	59,200
Geranyl acetate	20,000	15,300
Geranyl butyrate	100	200
Geranyl formate	600	200
Indole	.....	3,700
a-Ionone	25,100	29,800
Ionone, other	18,200	28,400
Linalool, natural	38,300	34,100
Linalyl acetate	101,200	89,900
Linalyl butyrate	400	200
Linalyl formate	400	400
Linalyl isobutyrate	700	400
Linalyl propionate	200	100
Menthol, synthetic, tech. and U.S.P.	217,100	201,700
Methylionone	123,700	125,300
Nerol	1,800	1,800
Piperonal (heliotropin)	47,800	44,400
Rhodinol	21,600	21,900
Rhodinyl acetate	100	200
Santalol	1,100	800
Terpineol (a and b)	1,146,300	1,124,000
Terpinyl acetate	171,700	164,200
Vetivenyl acetate	1,400	1,300
All other	1,953,500	1,887,200
Acyclic		
Total	4,040,200	4,003,600
Allyl caproate	2,500	2,200
Decyl aldehyde (C 10)	2,900	2,500
Ethyl butyrate	.....	71,400
Ethyl caproate	1,300	.....
Ethyl enanthate	9,500	10,400
Ethyl pelargonate	300	100
Ethyl sebacate	800	.....
Isoamyl butyrate	25,200	21,400
Isoamyl formate	1,300	1,000
Methylnonylacetaldehyde	1,100	1,100
Undecalactone	3,000	3,000
All other	3,992,300	3,890,500
Chemically Modified Essential Oils		
Total	512,500	510,700

* Includes data of production and sales for naphthalenoid compounds, which amounted to less than 1 percent of the total. The data have been included with "All other benzenoid" compounds in order to prevent the disclosure of the operations of individual companies.

Celanese Corp. Plans Expansion Program

The Celanese Corporation of America, New York, plans a financing program of $47,897,250, to provide funds for the refunding of long-term debt and expansion of manufacturing facilities. The operation will include an offering to the public of $40,000,000 of 3 percent debentures, due on October 1, 1965, at 102 percent and accrued interest. The company also is offering 157,945 shares of common stock to its common stockholders through the issuance of warrants permitting subscription to the new common at $50 a share on the basis of one share for each ten shares held. The subscription warrants will expire on October 24. The offering to stockholders is underwritten by the same banking group that is offering the debentures.

The plant expansion program of the company will require estimated expenditures in excess of $25,000,000, according to the prospectus, and will involve new facilities for production of chemicals, plastics and textiles. The corporation's plants are at or near Cumberland, Md.; Pearisburg, Va.; Newark, N. J., and Bishop, Tex.

French Perfume Materials

By A. L. van Ameringen,
Of van Ameringen-Haebler, Inc., New York

In order to obtain a clear picture of the present situation in France as far as its affects the United States industry, it is necessary to consider the following points:—(1) French production of floral products and essential oils. (2) French importation of perfume materials. (3) French aromatic chemical production. (4) Consumption by French perfumers. (5) Value of franc against United States dollar.

Floral Products

Contrary to the many rumors circulating in the United States, no flower plantations were plowed under for other uses and no plantations were destroyed for military reasons. However, all plantations are in subnormal condition due to the lack of fertilizers, insecticides, fungicides and labor. On top of that a large percentage of the jasmin plantations are between 20 and 25 years old, which means, at their life's end. Weather conditions in 1944 caused poor crops so that no carryover of floral products existed in the beginning of 1945.

The effect of transportation difficulties is handicapping the Grasse producers as well as all of France. It is nearly impossible to bring flowers grown outside of the immediate vicinity of Grasse to that city. Violets, for instance, come from a distance of about 150 kilometers from Grasse, and lack of trucks has created a complete absence of violet leaves absolute. No oak moss has as yet been received from Yugoslavia, and only mousse d'arbre is available in Grassé. A normal crop of rose concrete is about 1,500 kilograms. This year the crop was about 800 kilograms.

It was believed in this country that large quantities of neroli would be available on account of the fact that the German Eau de Cologne manufacturers, large users of neroli, would be out of the market. For reasons given later in this report, no surplus of neroli is on hand.

The jasmin situation is very tight. Before the war Grasse produced 2,500 kilograms of jasmin concrete annually, and imported another 1,500 kilograms from French-owned plantations in Italy, Algiers and Egypt. Since the liberation of France no jasmin has been imported from those three countries. The Grasse production for 1944 amounted to between 1,250 and 1,300 kilograms. That means a deficit of about 1,250 kilograms for the Grasse production alone.

In 1944 and again in 1945 some new jasmin plantations were started, but extremely hot and dry weather during July and the first week of August, 1945, makes it impossible to predict the crop outcome. However, no larger crop than the 1944 one can possibly be expected. Grasse plans increased plantations for the winter of 1945 and, if weather is favorable, counts on a 1946 crop of from 1,800 to 2,000 kilograms of concrete. This is still below prewar production of jasmin concrete. The program is to continue new plantings until the Grasse production reaches 3,000 kilograms.

Lavender Oil—Heavy exports to England and the United States have depleted stocks on hand. The 1945 crop is expected to be about 30 percent short. Lack of shoes makes picking of lavender in the mountains an undesirable job.

Importations from Abroad

Although Madagascar oils arrived in the United States since the summer of 1944, no shipments have as yet been received in France. Considerable orders were placed by French importers but lack of shipping has caused great delay in arrival. With the exception of a few tons of lemongrass, no essential oils or perfume raw materials have been received in France from any foreign country. Some bergamot and orris are expected soon from Italy.

Due to the lack of coal and raw materials, aromatic chemical production is at a standstill.

Grasse products, being the only available materials to the French perfumers, have been consumed in far greater quantities than before the war. Many new perfumes and colognes are based entirely on natural French products. The French perfume industry, therefore, looks with alarm at any exports of the only materials still available to them, and is bringing pressure on the Grasse producers to take care of French requirements before exporting.

It is easy to see that increased national consumption at a time of subnormal crops is creating a serious situation. The Grasse producers, however, are trying to allocate their merchandise on a pre-war basis between France and the United States and England. They fully realize that export markets once lost may be lost forever.

Value of Franc

Knowing nothing about economics, I am giving my impressions of the financial question as a layman only.

If we determine the value of the franc only by what it buys today in France, we totally overlook the effects of supply and demand. Due to the extreme scarcity of commodities, French prices, in my opinion, do not reflect the real value of the franc as compared to the United States dollar or English pound.

Nobody will claim that 80 cents per gallon for black-market gasoline indicated that the United States dollar was only worth 25 percent of its prewar value. The black-market price was only an indication of the comparative scarcity of gasoline. A comparison of French official prices against black-market prices does not show a uniform increase of black-market over official values, but a terrific variation caused by the comparative scarcity of the different commodities. Bread, for instance, is 420 percent higher on the black market, but sugar 1,400 percent.

For years insufficient food was available at official prices and all of France was forced to buy part of its food from the black market. This logically resulted in wage increases and higher costs of production. Beyond a doubt sufficient supplies will sooner or later eliminate black markets but wage reductions may trail behind a lowering of living costs. What has been the effect on prices of Grasse products?

Below are the flower prices paid in 1939 and 1945:—

	Francs	
Violet leaves	0.44	8.65
Orange flower	4.04	44.50
Rose de Mai	4.10	44.50
Tuberose	25.55	180.00

The average price of lavender oil increased from 225 francs to 2,000 francs.

Male manual labor increased from 5.60 francs per hour to 23.15 francs.

Male trained labor increased from 6.70 francs per hour to 27.25 francs.

Woman labor, extensively used in the Grasse industry, increased from 3.80 francs per hour to 20.66 francs.

These are wages for regularly employed factory help. The price of picking one kilogram of jasmin flowers increased from three francs to 45 francs.

The flower prices and wages given above explain the very high prices which the Grasse producers have to ask. I can assure you that every one of them is greatly alarmed by the present situation. They fully realize the danger to their industry caused by prices which exclude the normal use of their products. They are not trying to profit from the present conditions; on the contrary, you can rest assured that they will take all possible steps in an effort to arrive at more normal prices. In ending this report, it must be mentioned that at the beginning of August, 1945, not a drop of Grasse products had been shipped to England.

We can thank the United States Commodity Corporation for the fact that the United States has received numerous shipments since late May, 1945. The United States Commodity Corporation not only expedited shipments of orders placed through them, but the work of their representative in France, G. M. Strauss, also greatly facilitated transactions directly between American importers and French shippers. Future supplies of all floral products and most French essential oils will remain short for at least another year and maybe longer. Prices will remain high even if the value of the franc should be changed from 50 francs to 100 francs to the United States dollar.

Oil Reservoir Mapped

A review by the Geological Survey of the factors bearing on the possibility of the presence or absence of oil and gas in commercial quantities in the Wide Bay anticline, Alaska, leads to the conclusion that a petroleum reservoir may be present.

Industrial Application Of Chemicals

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Tri(hydroxymethyl)nitroethane Triacetate

Adhesives—Plasticizer (U.S. 2128136) in compositions containing cellulose esters.

Ceramic—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used as coatings for protecting and decorating ceramic products.

Chemical—Plasticizer (U.S. 2128136) for cellulose esters.

Cosmetic—Plasticizer (U.S. 2128136) in nail enamels and lacquers containing cellulose esters as base material.

Electrical—Plasticizer (U.S. 2128136) in insulating compositions, containing cellulose esters or resins or rubber, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used in the manufacture of artificial leather and as coatings for protecting and decorating leather and leather goods.

Metal Fabricating—Plasticizer (U.S. 2128136) in coating compositions, containing cellulose esters, used for protecting and decorating metallic articles.

Miscellaneous — Plasticizer (U.S. 2128136) in coating compositions, containing cellulose esters or resins or rubber, used for protecting and decorating articles made of various materials.

Paint, Varnish, and Lacquer—Plasticizer (U.S. 2128136) in paints, varnishes, lacquers, enamels, and dopes containing cellulose esters or resins or rubber.

Paper—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic—Plasticizer (U.S. 2128136) in making films from cellulose esters.

Plastics—Plasticizer (U.S. 2128136) in making laminated fiber products, molded articles, plastics from or containing cellulose esters or resins.

Resins—Plasticizer (U.S. 2128136) for resins.

Rubber—(Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used as coatings for decorating and protecting artificial and natural stone.

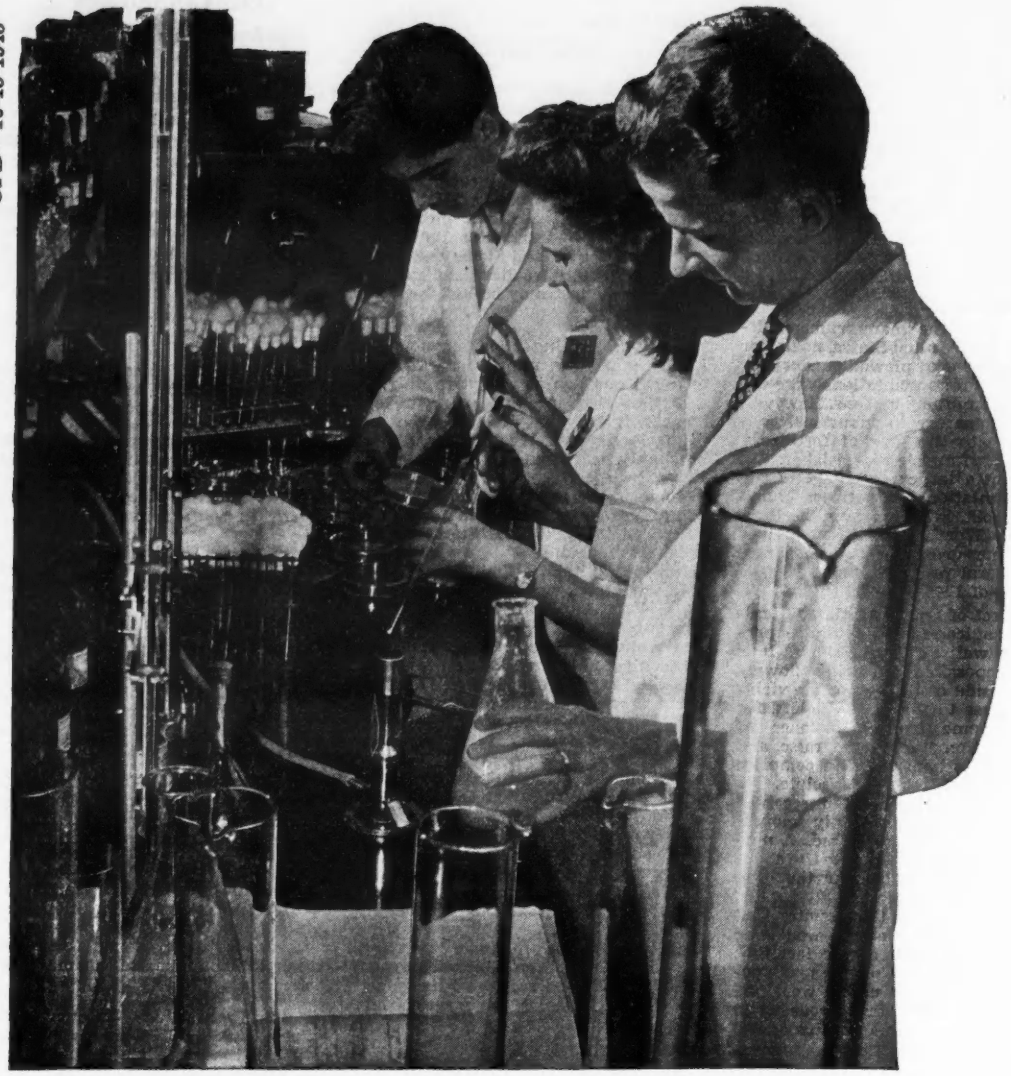
Textile—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used in the manufacture of coated fabrics.

Wood—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used as protective and decorative coatings on woodwork.

Dr. Jefferies Wins John Fritz Medal

Dr. Zay Jeffries, former president of the American Institute of Mining and Metallurgical Engineers, has received the 1946 John Fritz Medal for "leadership in the solution of problems affecting the production, conservation, substitution and scientific appraisal of metals and alloys."

Dr. Jeffries is vice-president of the General Electric Company, in charge of its chemical department at Pittsfield, Mass. He has been praised for his contributions on the metallography of tungsten and the constitution of steel. He is the author of fifty works dealing with engineering materials.



★ ★ ★

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VITAMINS

Thiamine Hydrochloride U.S.P.
(Vitamin B_1 Hydrochloride)

Riboflavin U.S.P.
(Vitamin B_2)

Niacin
(Nicotinic Acid U.S.P.)

Niacinamide
(Nicotinamide U.S.P.)

Pyridoxine Hydrochloride
(Vitamin B_6 Hydrochloride)

Calcium Pantothenate
Dextrorotatory Ascorbic Acid U.S.P.
(Vitamin C)

Vitamin K_1
(2-Methyl-3-Phytyl-1,4-Naphthoquinone)

Menadione U.S.P.
(2-Methyl-1,4-Naphthoquinone)
(Vitamin K Active)

Alpha-Tocopherol
(Vitamin E)

Alpha-Tocopherol Acetate
Biotin

Merck & Co., Inc. now manufactures all the vitamins commercially available in pure form, with the exception of vitamins A and D.

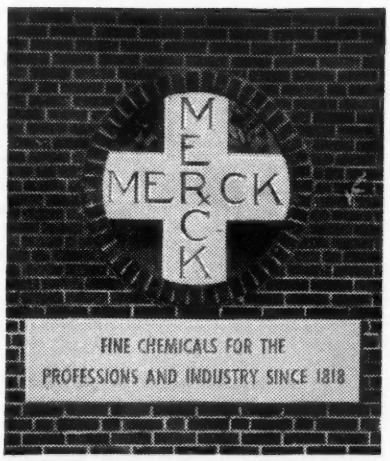
PURE VITAMINS

—products of Merck Research

Merck research has been directly responsible for many important contributions to the synthesis, development, and large-scale production of individual vitamin factors in pure form.

In a number of instances, the pure vitamins may be considered to be products of Merck research. Several were originally synthesized in the Merck Research Laboratories, and others have been synthesized by Merck chemists and collaborators in associated laboratories.

Because most of the known vitamins have now been made available in pure form, effective therapy of specific vitamin deficiencies can be conducted on a rational and controlled basis, under the direction of the physician.



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MERCK & CO., Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

Current Market Quotations Chemicals and Related Materials

October 10, 1945

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs. .....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., dlvd.lb. .07 - .08
l.c.l., dlvd.....lb. .07½- .08½
tanks, dlvd.....lb. .06 - .07

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works, lb. .90 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.62 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 80%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
40%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb.-lots.. .45 - —
smaller lots, same basis.. lb. .46 - .59
standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis.lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous,[6] tech. (see Arsenic, White).
USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50-kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works... 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up....lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric,[2] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00- —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.

Butyric, 90%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Brewers, bbls.....lb. 1.11 - —

Acid, cacodylic, bots.....lb.13.50 -15.50
Camphoric,[6] cns.....lb. 6.95 - 7.00
Caprylic, 90%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms..lb. Nominal
Chlorosulphonic, dms., c.l., wks., lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic,[6] 99¼-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't, lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls.....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil, s.l.,[1] dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., ret. dms., c.l..lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¼
Cresylic,[2,6] dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, dlvd.....gal. .586 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, cns., dms., works..lb. No stocks
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works..lb. .10½- —
l.c.l. .....lb. .11 - .11⅛
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, acid basis. lb. .08½- —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic, edible, 50% cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13⅛
80%, bbls., 5 or less.....lb. .24¼- .24⅝
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14⅝- .15¼
80%, bbls., cbys., 5 or less. lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys..... lb. .52 - .55
Lauric,[8] dist., 95%, dms.....lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22

Acid, maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit ...lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms..lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works.....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic,[3] dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 7.00 - 7.30
Nicotinic amide (see Nicotinamide)
Nitric,[6] 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works..100 lbs. 5.25 - —
10 to 24, works....100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra, lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[3] white, dist., dms..lb. No stocks
tanks .....lb. No stocks
Para-aminobenzoic, cns.....kb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls. works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 3.00 - 3.25
Phosphoric,[6] food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lms. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.03
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., dlvd. E.. gal. .80 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1] s.d., dms., works, lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .16¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .15⅞- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .19⅛- —
Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., wks..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....lb. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —

Acid, tannic, tech., bbls., dms.to. .71 - .73
USP, fluffy, bbls., 1,000 lbs... lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —

Tartaric,[7] USP, cryst., gran., powd., bbls., 20,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —

Thioglycolic, highly purified, bbls., cbys., basis 100%..lb. 3.50 - 7.00

Tobias, bbls.....lb. .55 - .60

Trichloroacetic, bots.....lb. 2.00 - 2.50

Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.16
pure, 100-lb. kgs.....lb. 2.86 - —

Aconite leaves, bls.....lb. 1.10 - 1.46
Root, bls.....lb. 1.15 - —

Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —

Acrylonitrile, dms., c.l., frt. alld. lb. .39½- —
l.c.l., works.....lb. .40 - .41
tanks, frt. alld.....lb. .39 - —

Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., works..lb. .32 - .33

Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —

Agaric, white, bls.....lb. 3.75 - 4.00

Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls...lb. 2.00 - 2.08
granular, cryst., bbls....lb. 1.95 - 2.03
tech., cryst., bbls.....lb. 1.40 - 1.55

Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd. .....lb. .20 - —

Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).

Benzyl, cns.....lb. .65 - .75
dms. .....lb. .63 - —

Butyl, normal,[1] ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .1930- —
l.c.l., frt.alld. E....lb. .2030- —
tanks, frt. alld. E....lb. .1880- —
tankwagons, frt. alld.lb. .1930- —
other production, dms, c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E...lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾ —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

Normal butyl alcohol prices in West, ½c per lb. higher.

secondary, dms., c.l., dlvd.lb. .095 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12½ - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —

Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —

Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.90 - 2.00

Cinnamic, bots.....lb. 4.00 - 4.25

Denatured,[1] CD14, dms., c.l., works, E..gal. .57 - —
l.c.l., works, E.....gal. .59 - .62
tanks, E., dlvd.....gal. .50 - —
tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .57 - —
l.c.l., works, E.....lb. .59 - .62
tanks, E. works.....gal. .50 - —
Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., wks., E.gal. .55 - —
l.c.l., works, E.....gal. .59 - .60
tanks, E. works.....gal. .48 - —

SD23C (replaced by SD28H).

SD23H, dms., c.l.....gal. .56½- —
l.c.l., works, E.....gal. .58½- .61⅛
tanks, E. works.....gal. .49½- —

SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .56½- —
l.c.l., works, E.....gal. .60 - .63
tanks, E. works.....gal. .49½- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD27 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .68 - —
l.c.l., works, E.....gal. .60 - .63
tanks, E. works.....gal. .51 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14⅛
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

1—Specific price ceiling

2—Price agreement (sellers with OPA)

3—General Limitation Order (L order)

4—General Preference Order (M order)

5—Conservation Order (M order)

6—Allocation

7—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l., works..gal.17.67 - —
l.c.l., works.....gal.17.70½-17.73½
tanks .....gal.17.60 - —
absolute, dms., c.l., works.gal.18.62 - —
l.c.l., works.....gal.18.65½-18.68½
tanks .....gal.18.55 - —
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl,[6] refd., dms., works.lb. .0800- —
tanks, works.....lb. .0760- —
Isopropyl,[3] refd., 91%, dms., incl., c.l., dlvd..gal. .38 - —
l.c.l., dlvd.....gal. .41 - —
tanks, dlvd.....gal. .51½- —
99%, dms., incl., c.l., dlvd..gal. .41½- —
l.c.l., dlvd.....gal. .44½- —
tanks, dlvd.....gal. .36 - —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.10 - —
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .63
Propyl, dms., works.....gal. .67 - .70
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l, same basis.....lb. .50 - —
Aldol,[6] dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.75 - 3.00
Algarobilla,[1] c.l., ex deck..... long-ton.67.50 - —
Algarobilla price based on ocean frt. at $12, insurance $1 per long ton.
Algin, bbls., fib. dms.....lb. .76 - 1.60
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .16½- .17
Allyl bromide, cbys., 5,000 lbs., works..lb. .99 - —
smaller lots, works.....lb. 1.05 - 1.10
chloride, dms., c.l., dlvd....lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .12½- —
Aloe, Cape, cs.....lb. No stocks
Curacao, kgs.....lb. .45 - .50
Socotrine, kgs.....lb. .38½- .40
Aloin, bbls., dms., kgs.....lb. 4.90 - 4.89
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .23½
Alphapinene, dms., c.l., wks..gal. .80½- —
l.c.l., works.....gal. .88½- —
tanks, works.....gal. .83½- —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs....lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil.100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., wks.. 100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
Alum, potash, lump, bbls., wks. 100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.60 - —
powd., bbls., works....100 lbs. 4.85 - —
dlvd., N. Y., Phil..100 lbs. 4.95 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina classified, grade, ground, kgs., works..lb. .35 - .67
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic, solu., 24%, bbls., dlvd..lb. .10½- .11
20%, bbls., dlvd.....lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03½- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solut., 12-20° Be, bbls., c.l., works..lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works.....lb. .035 - .040
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% Al (OH)$_3$, dms., 10,000 lbs. or more, f.o.b. ship't point, lb. .03 - .03¼
ton lots, same basis..lb. .03½- .03½
smaller lots, same basis, lb. .03¾- .04
Alumina hydroxide, gel, conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .19¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .75 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate)
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .35 - .36
Naphthenate,[6] 1.7% Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .34½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., ctn., c.l....lb. .22 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald... 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald... 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works. 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%,[3] c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .33 - —
Powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .57 - —
standard, 200-lb. dms...lb. .59 - —
rubber comp., 200-lb. dms..lb. .40 - —
unpolished, stand., dms....lb. .36 - —
varnish, stand., 300-lb. dms. lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drm., 1½c. per lb. for 50-lb. dms., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works.ton.69.00 - —
Aqua, 26° cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld....lb. .44 - .47
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1080- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Carbonate, USP, lump, dms..lb. .06¼- .09½
cns. .....lb. .14½- .17¼
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms, kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride,[6] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs..lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point...ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.25 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate-limestone,[6] 20.5% N, bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dms. .....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs....lb. 1.15 - 1.18
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .08½- —
Suphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports...ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works..... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate,[6] ex fusel oil, tech., dms., c.l., dlvd..lb. .12¼- .16½
l.c.l., dlvd.....lb. .13 - .19
tanks, dlvd.....lb. .11½- .17½
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00

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Chloroform	Orange Oil	Tar Acid
Cresylic Acid	Potassium Bromide	Triethanolamine

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Amyl chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works..lb. .08 - —
tanks, works..lb. .06 - —
Ether, dms., c.l., works..lb. .096 - —
l.c.l., works..lb. .102 - —
tanks, works..lb. .085 - —
Nitrite, USP, bots..lb. 1.72 - 1.80
Mercaptan, dms, works..lb. 1.10 - —
Salicylate, bots..lb. .75 - 1.00
Stearate, dms., works..lb. .42 - —
Amylene mixed, dms., c.l., works, lb. .102 - —
l.c.l., works..lb. .11 - —
tanks, works..lb. .09 - —
Anethol, com'l, dms., works..lb. .657 - .682
NF, dms..lb. 2.60 - 3.00
Angelica dom. atropurpurea root, bls..lb. .75 - .80
imported, natural, bls..lb. 2.50 - —
Angostura bark, bls..lb. .21 - .22
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld..lb. .12½- —
tanks, works, frt. alld..lb. .10¼- —
Salt, dms., works..lb. .22 - .24
Anise,[1] Bulgarian, bgs..lb. No stocks
Cyprus, bgs..lb. No stocks
Mexican, bgs..lb. .28 - .28½
Syrian, bgs..lb. No stocks
Turkish, bgs..lb. No stocks
Anisic aldehyde, bots..lb. 3.00 - 3.25
Annatto,[4] paste, bxs..lb. .34 - .39
Seed, bgs..lb. .06½- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works..lb. .65 - —
Anthraquinone, 99.5%, bbls..lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys..lb. .17 - —
Metal,[1] bulk, c.l., works..lb. .14½- .17½
Antimony, needle,[1,6] Bolivian, brown, 67%, cs..lb. .18½- —
Chinese, black, 70%, cs..lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l..lb. .16 - —
l.c.l..lb. .15½- —
paint grade, bgs., c.l..lb. .16¾- —
l.c.l..lb. .16¾- —
Salt,[1,6] 65%, bgs., c.l., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l.. works..lb. .17½- —
Antipyrine, bbls., kgs., ton..lb. 2.00 - —
smaller lots..lb. 2.10 - 2.20
Apomorphine, bots..oz. 23.20 -23.70
Apple syrup,[1] bbls..lb. .14 - .16
Archil extract, bbls..lb. No stocks
Areca nuts, powd., bbls..lb. .23 - .24
Arecoline hydrobromide...bots.oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos, 100% purity, kilo. 80.00 -82.00
Arnica flowers, bls..lb. 2.25 - 2.30
Arrowroot, powd., bgs., bbls...lb. .10½- .11
Arsenic, chloride (arsenous), bots., lb. 1.55 - —
Metal, lump, c.l..lb. No prices
Sulphide, yellow, bbls..lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l..lb. .04 - —
l.c.l..lb. .04¾- —
Asafetida, cs..lb. .58 - .60
powd., bbls., dms..lb. .78 - .80
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines, ton. 49.50 - —
5R, bgs., same basis..ton. 44.60 - —
c.l., same basis..ton. 44.60 - —
Asbestos fiber, 6D, bgs., same basis..ton. 33.00 - —
c.l., same basis..ton. 33.00 - —
7D, bgs., came basis..ton. 26.50 - —
c.l., same basis..ton. 28.50 - —
7F, bgs., same basis..ton. 26.50 - —
c.l., same basis..ton. 26.50 - —
7H, bgs., same basis..ton. 22.50 - —
c.l., same basis..ton. 22.50 - —
7K, bgs., same basis..ton. 19.00 - —
c.l., same basis..ton. 19.00 - —
7M, bgs., same basis..ton. 16.50 - —
c.l., same basis..ton. 16.50 - —
7R, bgs., same basis..ton. 15.50 - —
c.l., same basis..ton. 15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l..ton. 36.40 - —
l.c.l..ton. 41.40 - —
Cuba A, bulk, c.l..ton. 60.00 - —
l.c.l..ton. 90.00 - —
B, bulk, c.l..ton. 38.50 - —
l.c.l..ton. 55.00 - —
Egyptian..ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton. 30.00 -32.00
270-295° fusing point, bgs., mines..ton. 30.50 - —
second, 300-390° F fusing point, not uniform, bgs., mines..ton. 25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton. 30.50 - —
Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton. 30.50 - —
Mexican, refd., dms., c.l., Texas refy..ton. 21.00 - —
l.c.l., same basis..ton. 21.00 -23.00
tanks, same basis..ton. 16.00 - —
Atropine, bots..oz. 7.85 - —
Sulphate, bots..oz. 5.75 - 6.15

B

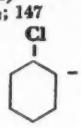
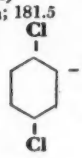
Balm of Gilead buds, bgs..lb. 1.90 - 2.00
Barbasco root,[2,6] (see Cube root).
Barberry root bark, bgs..lb. .78 - .80
Barbital, dms..lb. 3.50 - 3.60
Sodium, dms..lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 60.00 -70.00
l.c.l., works..ton. 65.00 -75.00
bbls., c.l., works..ton. 65.00 -75.00
l.c.l., works..ton. 70.00 -80.00
Chlorate, kgs., works..lb. .27½- .31
Chloride, CP, cryst., bbls..lb. .25 - .27
pure, bbls., kgs..lb. .10 - .12
tech., cryst.,[4] bgs., c.l., works, ton. 73.00 - —
l.c.l., works..ton. 78.00 - —
bbls., c.l., works..ton. 75.00 - —
l.c.l., works..ton. 80.00 - —
Dioxide, dms., c.l., works..lb. .10 - —
l.c.l., works..lb. .12 - .13
Fluoride, bbls..lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works..lb. .06 - .07
Iodide, bots..lb. 4.62 - 4.83
Monoxide (see Oxide).
Nitrate, bbls., c.l., works..lb. .09½- .11¼
l.c.l., works..lb. .10 - .11¼
Oxide, dms., c.l., works..lb. .10 - —
l.c.l., works..lb. .12 - .14
grd., dms., l.c.l., works..lb. .13 - .16
Peroxide (see Dioxide).
Silicofluoride, bbls..lb. .17 - .19
Stearate, ctns., 1 ton up..lb. .31 - —
smaller lots..lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls..lb. .09½- .10
kgs..lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton. 27.65 - —
l.c.l., same basis..ton. 28.65 - —
ex whse., N. Y..ton. 36.00 - —
paper bags, c.l., St. Louis..ton. 25.35 - —
l.c.l., same basis..ton. 26.35 - —
ex whse., N. Y..ton. 34.00 - —
Southern, off-color, bgs., mines, ton. 17.50 - —
95.75%, bgs., mines..ton. 18.00 - —
Ore, approx. 94% $BaSO_4$, bulk, mines..ton. 8.50 - —
Bauxite bulk, mines..ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs..lb. .12 - .13
Belladonna leaves, bls..lb. 1.00 - 1.10
Root, bls..lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works, ton. 11.00 - —
325 mesh, bgs., works..ton. 16.00 - —
Benzaldehyde, NF, dms..lb. .70 - 1.10
tech., cbys., dms..lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls..lb. .70 - —
Benzocaine, cns..lb. 3.20 - 3.55
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .30 - —
tanks, E. of Omaha, frt. allo, up to 2c. per gal., gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms..lb. 1.15 - 1.20
Benzoyl chloride, cbys..lb. .28 - .33
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns..lb. .59 - .60
dms..lb. .55 - .56
Alcohol (see Alchol, benzyl).
Benzoate, a.m.a., f.f.c., dms..lb. 1.00 - 1.10
Chloride, cbys., frt. equal..lb. .22 - .24
Cinnamate, cns..lb. 5.15 - 5.50
Formate, cns..lb. 3.00 - 3.50
Propionate, bots..lb. 1.85 - 2.50
Salicylate, bots..lb. 1.90 - 2.15
Benzylidinacetone, bots..lb. 2.00 - 2.50
Benzylisoeugenol, bots..lb. 9.50 - —
Berberine bisulphate, cns..lb. No stocks.
Hydrochloride, bots..lb. No stocks.
Sulphate, cns..lb. No stocks.
Berberis root, bls..lb. .30 - .36
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works..lb. .23 - —
l.c.l., works..lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms..lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ref. dms., c.l., works..lb. 1.60 - —
l.c.l., works..lb. 1.85 - —
95%, dms., works..lb. 2.05 - —
98.99%, works..lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works..lb. .24½- —
Beth root, bls..lb. .43 - .44
Bismuth chloride, bots..lb. 3.00 - —
jars..lb. 2.85 - —
Citrate, USP VIII, bots..lb. 2.61 - 2.66
jars..lb. 2.75 - —
Hydroxide, bots..lb. 3.41 - 3.46
cns..lb. 3.35 - —
Metal, ton lots..lb. 1.25 - —
Nitrate, cryst., bots..lb. 1.41 - 1.46
cns..lb. 1.30 - —
Oxychloride, bots..lb. 3.14 - 3.19
cns., dms., kgs..lb. 3.10 - —
Subbenzoate, bots..lb. 3.51 - —
fib. dms..lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.55
bots., cns..lb. 1.59 - 1.63
X-ray, 5-lb. bots..lb. 2.70 - —
fib. dms..lb. 2.73 - —
Subgallate, NF, bots., cns..lb. 1.49 - 1.53
fib. dms..lb. 1.40 - 1.43
Subiodide, bots..lb. 4.19 - 4.25
fib. dms..lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots..lb. 1.29 - 1.33
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb. cns..lb. 2.54 - 2.59
Sulphocarbolate, bots..lb. 3.71 - 3.74
fib. dms..lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns..lb. 3.45 - 3.50
Black, acetylene,[3] bgs., c.l., works..lb. .14 - —
l.c.l., works..lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis, lb. .12 - —
3, bgs., bbls., c.l., same basis, lb. .11 - —
4, bgs., bbls., c.l., same basis, lb. .08¾- —
400A, bgs., bbls., c.l., same basis..lb. .08¾- —
457, bgs., bbls., c.l., same basis..lb. .11¼- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher
Carbon,[1] channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works..lb. .033 - —
l.c.l., works..lb. .06 - —
dlvd. or whse..lb. .092- —

Hooker Combines Chlorine and Benzene to give you these Benzene Derivatives

Listed below are some of the chemicals resulting from our experience in chlorinating benzene.

The properties and characteristics of these compounds are so varied that they are serving industry in many different ways. Some of these uses are indicated. These uses plus the structural formulas may suggest other possible uses to you.

Data sheets giving more information and samples of these Chemicals are available when requested on your letterhead. Our Technical Staff is also at your service in helping you evaluate Hooker Chemicals for your specific needs.

PRODUCT *Chemical Formula* *Molecular Weight*	DESCRIPTION & USE
Monochlorbenzene C_6H_5Cl; 112.5 	Clear, colorless liquid. Boiling Range 131.3° to 132.3°C. Manufacture picric acid, phenol, dinitro chlorbenzene, intermediates for a variety of synthetic chemicals, sulfur black and brown dyes and other dyes, synthetic perfumes, pharmaceuticals; insecticides; solvent for removing paint and tars.
Orthodichlorbenzene (Tech) $C_6H_4Cl_2$; 147 	Clear, colorless liquid. Boiling Range 6° including 179°C. Manufacture pyrocatechin, dye intermediates, other synthetic organic chemicals; degreasing metals; removing road tar from automobiles; ingredient metal polishes, paint and varnish removers; insecticide for termites, powder post beetles, sewage treatment.
Paradichlorbenzene $C_6H_4Cl_2$; 147 	White crystalline solid in 7 sizes. Insecticide for clothes moths and peach tree borers; deodorant; fungicide for tobacco blue mold and cranberry bog root grub. Manufacture of dye intermediates and other synthetic chemicals.
Trichlorbenzene 1:2:4 (Tech) $C_6H_3Cl_3$; 181.5 	Clear, colorless mobile liquid. Boiling Range 205° to 235°C. Manufacture dye intermediates and other organic chemicals, ingredient non-flammable electrical transformer fluids; as heat transfer medium; solvent for fats, oils, waxes, resins, for degreasing metals; insecticide especially as soil poison for termites.

HOOKER ELECTROCHEMICAL COMPANY

1 Forty-seventh Street, Niagara Falls, N. Y.
New York, N. Y. Wilmington, Calif.
Tacoma, Wash.

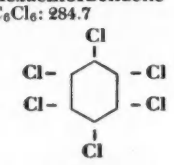
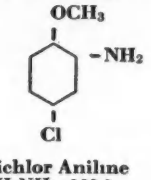
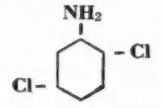
HOOKER RESEARCH *Presents*

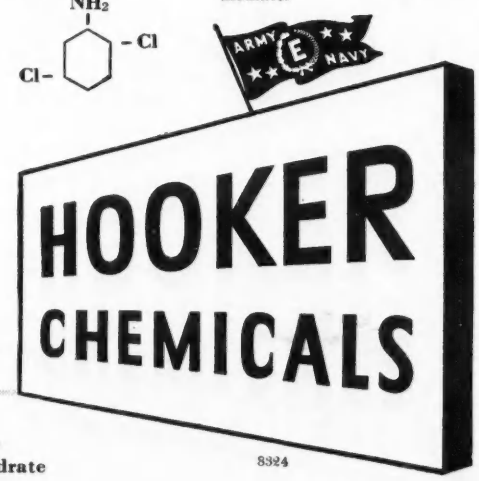
LAURYL CHLORIDE

$C_{12\text{-}6}H_{26\text{-}2}Cl$

Here is a new Hooker Chemical that is capturing the interest of chemists who are investigating its use as an intermediate in the production of esters, mercaptans, sulfides and detergents. Lauryl Chloride is a white to amber colored oily liquid having a faint, fatty odor. It is a distilled material being composed of a mixture of n-Alkyl Chlorides. It is insoluble in water and soluble in acetone, benzene, butanol, carbon tetrachloride and ethers. Crystallization Point is −19°C and boiling range is approximately 112° to 160°C.

Lauryl Chloride is readily available in commercial quantities and samples will be supplied when requested on your letterhead. Technical Data Sheet 764 describes the physical properties of Lauryl Chloride and a copy is yours for the asking.

PRODUCT *Chemical Formula* *Molecular Weight*	DESCRIPTION & USE
Hexachlorbenzene C_6Cl_6: 284.7 	White to cream colored, odorless, crystalline solid. Melting Range 225° to 230°C. Ingredient of pyrotechnic flares, wire drawing compounds.
Chlor Anisidine $NH_2{\cdot}C_6H_3{\cdot}Cl{\cdot}OCH_3$, 157.5 	Gray crystalline solid, mixture of three isomers. Melting point 79°C min. Manufacture of dyes.
2:5 Dichlor Aniline $Cl_2C_6H_3NH_2$; 162.0 	Coarse brown crystals. Melting Range 48° to 49°C. Dye intermediate.



8324

Caustic Soda **Muriatic Acid** **Sodium Sulfide**
Paradichlorbenzene **Chlorine** **Sodium Sulfhydrate**

Black, carbon, channel, uncompressed, regular, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07¼- —
SRF, bgs., c.l., works...lb. .03½- —
ctns., l.c.l., whse.....lb. .06 - —
Thermatonic, bgs., c.l., works La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., works.....lb. .08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¼- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs.....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .85 - .90
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls...lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works.....ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66⅔%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.46.50 - —
Bleaching powder,[2] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.60
Blood,[1,7] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago....lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .55 - .56
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis...lb. .36 - —
Cobalt,[5] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine)
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.70

Blue, iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda)
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .32 - —
Ultramarine,[4] cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.80 - —
ink toner, bbls., same basis, lb. 1.63 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .70 - .75
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis....ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. No stocks
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —

Borax, tech., 99½%, powd., bgs., c.l., frt. alld..ton.50.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .20 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromeform, USP, bots.....lb. 1.30 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .95 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .14 - .16
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .08¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .03¾- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., l.c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Turkey-type, bbls., ex car, Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Bryonia root, bls.....lb. .60 - .65
Buchu leaves, bls.....lb. .83 - .85
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .29 - .30
Burgundy pitch, dom., dms...lb. .08 - —

Butane,[1] indust., tanks, Group 3. gal. .03½- — —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .1860- — —
l.c.l., same basis.....lb. .1910- — —
tanks, same basis.....lb. .1760- — —
tankwagon, same basis..lb. .1810- — —
other production, dms., c.l., same basis..lb. .1900- — —
l.c.l., same basis....lb. .1950- — —
tanks, same basis....lb. .1600- — —
synthetic, dms., c.l., same basis..lb. .11¾- — —
l.c.l., same basis.....lb. .1060- — —
tanks, same basis.....lb. .10¾- — —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .09½- — —
l.c.l., same basis.....lb. .10 - — —
tanks, same basis.....lb. .09½- — —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works...lb. .15½- — —
l.c.l., works.....lb. .16½- — —
tanks, works.....lb. .14½- — —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .30½- — —
Laurate, dms., works.....lb. .42 - — —
Myristate, dms., works.....lb. .41 - — —
Oleate, ref., dms., l.c.l., works. lb. .35 - — —
tech., dms., c.l., works.....lb. .24 - — —
l.c.l., works.....lb. .24½- .26½ —
Phenylacetate, dms.....lb. 2.00 - 2.25 —
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17 —
tanks, dlvd.....lb. .15½- — —
Stearate, dms.....lb. .31 - — —
Butyric ether, bots.....gal. 6.50 - 6.95 —
cns., works.....lb. .65 - .70 —
dms., works.....lb. .60 - — —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1] ingots or sticks, dlvd.lb. .90 - —
pat. shapes, cs., dlvd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more. lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .36
Calamus root, natural, dom., bls. lb. .40 - .45
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - —
dlvd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).

SPOT DELIVERIES

MAGNESITE CALCINED Indian

CAUSTIC POTASH
CARBONATE OF POTASH
PRUSSIAN BLUE
CHROME OXIDE GREEN
DICALCIUM PHOSPHATE PURE FOOD
METHYLENE CHLORIDE

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE Also NICKEL CATALYST NICKEL CARBONATE NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Calcium chloride, cryst., purified, bbls., jars..lb. .26 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., dlvd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -34.50
l.c.l., dlvd.....ton.28.00 -44.50

Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.

Cyanide, dms., delivered E. of Rockies..lb. .35 - .40
Gluconate, USP, gran., bbls..lb. .52 - —
dms.....lb. .57 - .59
cns.....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dms..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680

Calcium resinate,[1] precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctn., c.l., works..lb. .25 - —
l.c.l., works.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works.. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.60 - 2.65
Calomel,[6] bbls., dms.....lb. 2.44 - 2.45
Camphor, natural.....lb. No stocks
synth.,[4] tech., bbls., contract, 2,000 lbs. or more, works..lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed.[1] California, Dutch type..lb. .74 - .75
Canadian, bgs.....lb. .78 - .79
Dutch, bgs., futures.....lb. .70 - .72

Caraway seed, Morocco, dewhiskered, futures, bgs..lb. .67 - .68
Spanish, dewhiskered, bgs..lb. No stocks
Syrian, dewhiskered, futures, bgs..lb. .68 - .69
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .92 - —
l.c.l., frt. alld.....gal. .97 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —

Carbon tetrachloride, tech., Zone 4, 52½-gal. dms., c.l....gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans. 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs., lb. 1.45 - 1.50
medium, cs.....lb. 1.30 - 1.35
decorticated, Guatemala, cs..lb. .84 - .86
India, cs.....lb. .90 - .91
green, bgs.....lb. .65 - .66
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.67.80 - —
50,000 USP units per gm., bots., works..lb. 8.48 - —
dms., works.....lb. 7.68 - —
6,800 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,500 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb.32.50 -36.00
Cascara sagrada bark, bulk...lb. .42 - .43
Case-hardening mixture, 90% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24¼- —
less than 20, same basis. lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20.....lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .21 - .23
rennet-precip., unground, bgs., 100 bgs. or more..lb. .23½- .24½
Cassia,[1,7] .....lb. No stocks
Cassia fistula, bskts.....lb. .26 - .28
Castor beans,[7] bgs., Brazilian ports..long ton.82.00 -83.00
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb.12.00 -13.00
synth., bots.....lb.19.00 - —
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls.....lb. .50 - .55
Celery seed,[1] French, bgs.....lb. No stocks
Indian, bgs.....lb. .23 - .23½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkgs. works....lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.. lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —
Granules are 5c. per lb. higher, all quantities.
Acetate-propionate, flake, high (31.5%) propionyl content, 50-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works...lb. .48 - —
Granules are 5c. per lb. higher, all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more. lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 - —
rubbermakers, bgs., c.l., works ton.30.00 - —
Chamomile, Hungarian type, cs. lb. .38 - .45
Roman, bls.....lb. 1.50 - 1.55
Charcoal, hardwood, lump, bulk, c.l., works..ton.31.25 - —
bur. bgs., ret., c.l., works. ton.31.00 -33.75
briquets, bulk, c.l., works... ton.35.00 - —
bgs., c.l., works.....ton.40.00 -41.00
granular, all grades, bgs., incl., works..ton.44.00 - —
screenings, bur. bgs., ret., c.l., works..ton.28.00 - —
Pinewood,[1] lump, bgs., c.l., Southern shipping points... ton.20.00 - —
granular, powd., bgs., c.l., works, South..ton.30.20 - —
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] standard 25% tannin, bbls., c.l., works..100 lbs. 3.22 - 3.55
l.c.l., works.....100 lbs. 3.47 - 3.80
tanks, works.....100 lbs. 2.62 - 2.95
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 7.46 - 8.82
l.c.l., works.....100 lbs. 8.21 - 9.07
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99¼%, 325 mesh, bulk, c.l., works.ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —

If animals need 5 to 10 times more "Capa" than Thiamin

MAY HUMANS SAFELY RELY ON LESS?

Though the human requirement for Calcium Pantothenate is still uncertain, the "Capa" requirement of five animal species has been established.

Each of these species requires approximately five to ten times more calcium pantothenate than thiamin.

The best available estimates* of the human requirement for "Capa" fall into the same pattern of five to ten times more "Capa" than thiamin.

Until the need for calcium pantothenate in human nutrition is more clearly determined, shouldn't the already established ratio between the thiamin and pantothenate requirements of experimental animals be taken into consideration in producing pharmaceuticals containing calcium pantothenate?

As the pioneer producers of Calcium Pantothenate, the Nopco Chemical Company is prepared to supply this increasingly appreciated B-Complex factor in the two forms found most satisfactory in meeting pharmaceutical requirements.

- CALCIUM PANTOTHENATE DEXTROROTATORY-NOPCO is a *pure, white, odorless, crystalline, 100% active salt.*
- dl-CALCIUM PANTOTHENATE-NOPCO is *a white, odorless, powder form, guaranteed 49% active, and capable of effecting a 20% saving in price.*

***IMPORTANT*—NOPCO also offers Beta-Alanine, important ingredient in pantothenate production.**

Calcium Pantothenate Dextrorotatory-Nopco** dl-Calcium Pantothenate-Nopco**

* *Bibliography on request.*

** Products of NOPCO CHEMICAL CO., HARRISON, N. J.

A SUBSIDIARY OF NATIONAL OIL PRODUCTS COMPANY

Pioneer producers of calcium pantothenate—natural A & D concentrates and Rice Bran concentrate . . . a naturally rich source of Pantothenic Acid

And (you guessed it) we were on the other end!

For Uncle Sam wanted help with some special packaging problems for his servicemen.

The result—Uncle Sam thought we had the right answers; got his problems solved.

That was back in 1941. Since then he's been putting problems up to us regularly. Which is what we like—and would like you to do.

Follow his lead!

Just reach for your phone and call for help—our help.

We'll respond with ideas that may give your product a head start on that tough competition ahead. And it won't cost you a cent!

For we kept our eyes and ears open on our war job—and are anxious to give you the benefit of our experiences. Add this to our 44 years of research and engineering know-how—and you're really getting something.

Let's get together!

You want an efficient, economical, appealing container for your product—a container that will catch the consumer's eye—and dollar.

So why not make that call to our nearest representative now—or if you'd rather, drop us a line? Let's work out your problem together!

AMERICAN CAN COMPANY

230 PARK AVENUE CANCO NEW YORK 17, N. Y.

WORLD'S LARGEST MANUFACTURERS OF FIBRE AND METAL CONTAINERS

China clay, import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..	ton.	19.00	-24.00
powd., cks.,l.c.l., ex whse.	ton.	41.00	-
Chloral hydrate, jars	lb.	.93	- .98
dms.	lb.	.90	- .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works	lb.	.32	- —
smaller lots, works	lb.	.35	- —
1-lb. bots., ex whse	lb.	1.25	- —
Chlorine, liquid, cyls., c.l.	lb.	.05¼	- —
contracts	lb.	.05¼	- —
l.c.l.	lb.	.07¼	- —
tanks, single units, works, frt. equald..100 lbs.		1.75	- —
multiple units, 3 or over, works, frt. equald..100 lbs.		2.00	- —
2, wks., frt. equald.100 lbs.		2.50	- —
1 wks., frt. equald.100 lbs.		3.00	- —
Chloropicrin, com'l, 180-lb. cyls., USP, dms	lb.	.30	- .33
Chloroform, tech., dms	lb.	.20	- .25
works, frt. alld.	lb.	.80	- —
100-lb. cyls., same basis	lb.	.82	- —
25-lb. cyls., ex whse	lb.	1.00	- —
1-lb. bots., ex whse	lb.	1.25	- —
Choline chloride, fib. dms	lb.	3.00	- 3.10
Dihydrogen citrate, fib. dms.	lb.	3.00	- 3.10
Chrome acetate, powd., 24%, bbls.	lb.	.22	- —
solut., 8%. bbls., cs	lb.	.07½	- —
7½%, bbls., cs	lb.	.09½	- —
Cake, bulk, c.l., works	ton.	16.00	- —
Ore,[1] residue, paper bgs., c.l., works	ton.	15.00	- —
Oxide (see Green, chrome oxide).			
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, bots.	lb.	6.02	- 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs.	lb.	1.20	Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs.	oz.		No prices
Sulphate, NF, cns., 100 ozs.	oz.		No prices
Cinchonine,[6] small, cryst., cns., 100 ozs.	oz.		No prices
large, cryst., cns., 100 ozs.	oz.		No prices
Sulphate, NF, cns., 100 ozs.	oz.		No prices
Cinchophen, NF, heavy, dms.	lb.	3.70	- 3.80
standard, dms	lb.	3.50	- 3.60
Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, cbys., cns., dms.	lb.	1.20	- 2.25
Cinnamon,[1,7] Ceylon, O, bls., futures	lb.	.5202	- —
OO, bls., futures	lb.	.5320	- —
OOO, bls., futures	lb.	.5407	- —
OOOO, bls., futures	lb.	.5494	- —
No. 1, bls., futures	lb.	.5145	- —
2, bls., futures	lb.	.5058	- —
3, bls., futures	lb.	.4958	- —
4, bls., futures	lb.	.4858	- —
Citral, bots., cns	lb.	4.50	- 6.25
Citrine ointment, jars	lb.	.95	- 1.15
Citronellal, bots., dms	lb.	2.75	- 3.25
Citronellol, bots., dms	lb.	6.00	- 7.00
Clove,[1] Madagascar, bls	lb.	.15½	- .16
futures, bls	lb.	.15½	- .16
Zanzibar, bls	lb.	.17	- .17½
futures, bls	lb.	.17	- .17½
Clover tops, red, dom., bgs.	lb.	.50	- .55
imported, bgs	lb.	No stocks	
Coaltar, coal-gas, crude, bbls., c.l., works.	bbl.	8.25	- —
l.c.l., works	bbl.	8.75	- —
tanks, works	gal.	.07½	- —
refd., bbls., c.l., works.	bbl.	8.75	- —
l.c.l., works	bbl.	9.25	- —
tanks, works	gal.	.08½	- —
water-gas, crude, dms., c.l., works.	bbl.	8.25	- —
l.c.l., works	dm.	8.75	- —
refd., dms., c.l., works.	dm.	9.25	- —
Cobalt acetate,[6] bbls., kgs., dlvd.,	lb.	.83¾	- —
feed grade, 49.5% Co, kgs.	lb.	1.25	- —
Carbonate,[6] powd., bgs., works,	lb.	1.58	- —
feed grade, 23% Co, kgs.	lb.	1.85	- —
Cobalt chloride, kgs., works.	lb.	.87½	- —
feed grade, 24.5% Co, kgs.	lb.	1.25	- —
Hydrate,[6] bbls	lb.	2.04	- —
feed grade, 62% Co, kgs.	lb.	2.25	- —
Linoleate, paste, 5%, dms	lb.	.32	- .35
solid, 8½%, dms	lb.	.44	- —
Nitrate, feed grade, 20.4% Co, kgs.	lb.	1.25	- —
Oleate, bbls	lb.	.44	Nom.
Oxide,[6] black, kgs	lb.	1.84	- —
Phosphate, feed grade, 34% Co, kgs.	lb.	1.75	- —
Resinate, precip., 7.5% Co, 100-lb. dms.	lb.	.38½	- —
Soyate, 8%-8.5% Co, 50-gal. dms.	lb.	.42	- .44
Sulphate,[6] dms	lb.	.65	- —
feed grade, 21% Co. kgs.	lb.	1.00	- —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.			
Cobalt-ammonium sulphate, 14% Co, kgs.	lb.	.75	- —
Cocaine hydrochloride, 100-oz. lots, cns.	oz.	9.75	- —
Cochineal, gray, bgs	lb.	.37	- .38
silver, Teneriffe, bgs	lb.	.38	- .39
Cocoa butter,[1,7] bulk, ship. pt.	lb.	.25	- —
Cocillana bark, bgs	lb.	No prices	
Codeine, cns., 100 ozs.	oz.	11.70	- —
Hydrochloride, cns., 100 ozs.	oz.	10.50	- —
Phosphate, cns., 100 ozs.	oz.	9.00	- —
Sulphate, cns., 100 ozs.	oz.	9.50	- —
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls.	lb.	.18	- .19
blue, bls.	lb.	.22	- .23
Colchicine, bots., cns.	oz.	No stocks	
Colchicum seed	lb.	No stocks	
Collodion, USP, dms.	lb.	.19½	- .20½
cns.	lb.	.23	- .29½
Flexible, USP, dms.	lb.	.21	- .22
cns.	lb.	.25	- .31
Colocynth pulp, bls.	lb.	.55	- .60
Colombo root, bls.	lb.	.16½	- .17
Coltsfoot leaves, bgs.	lb.	No stocks	
Condurango bark, bgs.	lb.	.12	- .15
Copaiba balsam, Para, cns.	lb.	.90	- .95
B. A., USP, cns.	lb.	No stocks	
Copper acetate, cupric, bbls., works.	lb.	.25¼	- —
smaller containers, wks.	lb.	.27	- —
Carbonate, 52-54%, bbls.	lb.	.19½	- .20½
Chloride, anhyd., bbls	lb.	.22½	- .23
crystals, bbls.	lb.	.14¾	- .17
Cyanide, tech., bbls.	lb.	.34	- .38
Iodide, bots.	lb.	5.15	- 5.19
Metal,[1] electrolytic	lb.	.12	- .12½
Naphthenate, 6%-8% Cu, 50-gal. dms.	lb.	.15	- .17
Nitrate,[1] tech., cryst., bbls.	lb.	.19¼	- .20¼
Oleate, precip., bbls	lb.	.22½	- .28½
Oxide, black, bbls., works	lb.	.19	- .20
red, com'l, bbls., works.	lb.	.21	- .24½
Oxychloride-sulphate,[6] bgs.	lb.	.17	- .20
Resinate, precip., 8.3% Cu, 125-lb. dms.	lb.	.15½	- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works.	100 lbs.	5.00	- —
l.c.l., 700 to 36,000 lbs.	100 lbs.	5.00	- 5.50
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd.	100 lbs.	10.20	- —
smaller lots, dlvd.	100 lbs.	10.95	- —
dms., c.l., dlvd	100 lbs.	8.95	- 9.20
l.c.l., dlvd	100 lbs.	9.95	-10.20
Copperas, cryst., gran., bgs., c.l., works.	ton.	17.00	- —
l.c.l., works	100 lbs.	1.55	- 2.00
bbls., c.l., works	ton.	20.00	- —
bulk, c.l., works	ton.	14.00	- —
Copra,[7] Coast, ship't	lb.	No prices	
Coriander[1] seed, Argentine, bgs.	lb.	.09½	- .10
Indian, bgs	lb.	No stocks	
Morocco, bgs	lb.	.09¾	- .10¼
Cornsilk, futures, new crop, bls.	lb.	.45	- .46
Corn sugar, tanners, chipped, bgs., c.l., dlvd.	100 lbs.	3.905	- —
slabs, bbls., c.l., dlvd.	100 lbs.	3.825	- —
Syrup, 42°, bbls., c.l., dlvd.	100 lbs.	4.221	- —
43°, bbls., c.l., dlvd.	100 lbs.	4.271	- —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more.	lb.	2.07	- —
gran., powd., dms., 50 lbs. or more.	lb.	1.92	- —
Cottonroot bark, bls.	lb.	.20	- .21
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd.	unit-ton.	1.20	- —
Meal,[1,7] 41% protein, bulk, Memphis, c.l.	ton.	45.00	-49.75
Coumarin,[1] cns., 5 lbs. or more.	lb.	2.75	- —
smaller lots	lb.	2.90	- 3.10
Cramp bark, NF, bls	lb.	.80	- .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't.	lb.	.57½	- —
smaller lots, bbls., kgs.,	lb.	.58	- .58½
imported, bbls	lb.	.50	- .55
Creosote carbonate, bots., cbys.,	lb.	2.10	- 2.39
Coaltar (see Cresol).			
Oil,[2] coaltar, crude, tanks, works.	gal.	.35½	- —
refined, dms., c.l., works,	gal.	.247	- .3325
l.c.l., same basis.	gal.	.26	- .35
tanks, same basis.	gal.	.18	- .16½
solution, tanks, works.	gal.	.141	- —
Wood, beech, bots., cbys.	lb.	.85	- 1.04
Hardwood, USP, bots.	lb.	.60	- .77
Pine, dms.	gal.	.28	- —
Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald.,	lb.	.09½	- .10¼
l.c.l., same basis	lb.	.10	- .11
tanks, same basis	lb.	.08¾	- .09¾
USP, dms., c.l., same basis.	lb.	.10¾	- .11¾
l.c.l., same basis	lb.	.11¼	- .11¾
tanks, same basis	lb.	.10	- .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms.	lb.	.15	- —
5 and 10-gal. dms., works.	lb.	.18	- —
Cryolite, nat.,[4] bgs., bbls., c.l., works.	100 lbs.	9.50	- 9.75
bbls., l.c.l., works	100 lbs.	10.00	- —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R.	lb.	.08½	- —
l.c.l., works	lb.	.09¼	- —
Cube root, 5% rotenone, bbls., works.	lb.	.40	- —
4% rotenone, bbls., works.	lb.	.32	- —
Cubeb berries, XX, bgs	lb.	No stocks	
powd., cs	lb.	No stocks	
Culver's root, bls	lb.	.25	- .26
Cumin seed, Cyprus, bgs	lb.	No stocks	
Indian, bgs	lb.	No stocks	
Moroceo, bgs	lb.	No stocks	
Persian, bgs	lb.	No stocks	
Cutch, bgs	lb.	No stocks	
Cyanamid,[3] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton.		1.62½	- —
21% N., pulv., bgs., same basis.	unit-ton.	1.52½	- —
Cyclohexane, tech., dms. c.l., works.	lb.	.10½	- —
l.c.l., works	lb.	.11	- —
tanks, works	lb.	.09½	- —
Cyclohexanol, 98 - 100%, dms., works.	lb.	.21	- .23
Cyclohexanone, 97½% min., dms., c.l., works.	lb.	.30	- .32
tech., dms., c.l., works	lb.	.30	- —
l.c.l., works	lb.	.30½	- —
tanks, works	lb.	.29	- —
Cyclopropane, USP, cyls., dlvd.,	gal.	.27	- —

D

Damiana leaves, bls	lb.	.18	Nom.
Dandelion root, bls	lb.	.48	- .50
DDT, fiber dms., tons, works.	lb.	.50	- —
tins, smaller lots, works.	lb.	.53	- .60
Decanol, normal, tech., dms., dlvd.	lb.	.35	- —
Deertongue, bls	lb.	.34	- .35
Defluorinated phosphate,[1] paper bgs., works.	ton.	34.25	- —
Degras,[1] common, bbls	lb.	.10	- .12
neutral, less 2% ffa, bbls.	lb.	.28	- .30
over 2% ffa, bbls	lb.	.26½	- .28¼
Derris root (see Cube root).			
Dextrin, British gum, bgs., c.l.,	100 lbs.	5.29	- —
Chicago	100 lbs.	4.93	- —
l.c.l.	100 lbs.	5.39	- —
Chicago	100 lbs.	5.03	- —
Corn, canary, bgs., c.l.	100 lbs.	5.04	- —
Chicago	100 lbs.	4.68	- —
l.c.l.	100 lbs.	5.14	- —
Chicago	100 lbs.	4.78	- —
white, bgs., c.l.	100 lbs.	4.97	- —
Chicago	100 lbs.	4.61	- —
l.c.l.	100 lbs.	5.07	- —
Chicago	100 lbs.	4.71	- —
Potato, bgs., c.l.	lb.	.10	- —
l.c.l.	100 lbs.	.10¼	- .11¾
Diacetone (see Alcohol, diacetone).			
Diacetyl, flavor grades, bots.	lb.	5.00	- 8.80
laboratory grade, bots.	100 grams.	4.50	- —
tech., bots., works	lb.	3.00	- —
Diamyl ether (see Amyl ether)			
Phthalate,[6] dms., c.l., dlvd.	lb.	.2170	- .2200
l.c.l., dlvd	lb.	.2220	- .2250
tanks, dlvd	lb.	.2070	- .2100
Sulphide, l.c.l., dms., works.	lb.	.25	- —

Over a year ago we said

RCI Research Board Promises
Big Postwar Advancements
What is America's largest producer of synthetic resins thinking about these days? What is RCI planning for after the war? These, and similar questions, load every mail at RCI.
And here's the answer: RCI is organized for peace as thoroughly as for war. Without abating one iota from its big war jobs, this organization is forging full speed ahead on postwar projects.
Right now a special research plan board is in session—weighing the peacetime value of the startling product changes brought about by war . . . scrutinizing the probable needs of the widely different industries and industrial processes that will follow Victory . . . laying plans that will not only maintain RCI leadership in its special fields, but will also vastly extend its services to all industry.
The time is not yet ripe to reveal results; RCI is, naturally, working only for Victory now. But you can be assured that when peace comes, with it will come new RCI products that will fully uphold this organization's reputation as a foremost exponent of progress in every sense of the word.
RCI
WORLD-WIDE DISTRIBUTION
REICHHOLD CHEMICALS, INC.
General Offices and Main Plant, Detroit 20, Michigan
Other plants: Brooklyn, New York • Elizabeth, New Jersey • South San Francisco, California • Tuscaloosa, Alabama • Liverpool, England • Sydney, Australia
SYNTHETIC RESINS • CHEMICAL COLORS • INDUSTRIAL PLASTICS • INDUSTRIAL CHEMICALS

Almost exactly a year ago, RCI promised you that when peace returned RCI would be ready with the improved products you could rightfully expect from the world's largest producer of synthetic resins. Here's the first payment on that promise—five new products, each a long step ahead of anything previously offered in their respective fields. To give *your* customers the better postwar products they are sure to demand, get the facts about these better basics. Write direct to the Sales Department in Detroit for further data about these five new leaders and other RCI products.

RCI

WORLD'S LARGEST PRODUCER OF

Diamylamine, dms., c.l., works.
lb. No stocks
l.c.l., works..... lb. No stocks
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific coast. ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
Diatomaceous earth, dom., purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2320- .2909
1-gal., cns., works.....lb. .2520- .3109
dms., c.l., works.....lb. .1770- .2359
l.c.l., works.....lb. .1820- .2400
tanks, works.....lb. .1670- .2259
Sebacetate, dms., c.l.. works.lb. .4800- .5075
l.c.l., works.....lb. .4850- .5125
tanks, works.....lb. .4600- .4975
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT)
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —

Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 99%, dms.....lb. .30 - —
Oxalate, dms., c.l., divd.....lb. .30¼- —
l.c.l., divd.....lb. .31 - —
Phthalate,[6] dms., c.l., divd.lb. .2025- .2120
l.c.l., divd.....lb. .2075- .2170
tanks, divd.....lb. .1925- .2050
Sulphate, dms., c.l., works...lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.10 - 1.15
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Dihydroxydichlorodiphenylmethane, dms., works or N.Y. met.lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, natural cleaned, bgs., lb. No stocks
decorticated, bgs.....lb. .13 - .13½
dewhiskered, bgs.....lb. .08½- .09

Dimethyl phthalate,[6] dms., c.l., divd..lb. .18¾- —
l.c.l., divd.....lb. .19¼- —
tanks, divd.....lb. .17¾- —
Dimethylamine, dms., c.l., divd. lb. .85 - —
l.c.l., divd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin,[6] dms., ton lots, divd..lb. .44 - —
smaller lots, divd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., divd. E..gal. .55 - .56
tanks, divd. E.....gal. .45 - —
steam-dist., dms., divd. E..gal. .56 - .58
tanks, divd. E.....gal. .52 - .53
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. .....lb. .43 - .45
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .35 —
smaller lots.....lb. .36 - .37
Divi-divi,[1,6] 42% tannin, c.l., U.S. ports, ex dock..ton.60.50 - —
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .50 - .55
Dogwood, Jamaica, bark, bls..lb. .10 - .11
Dover's powder, USP, cns....lb. 2.75 - —
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks

Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns.....lb.13.00 - —
Green, FD&C, No. 1, cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C, No. 1, cns.....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns.....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 3, cns....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.85 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb.15.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 33, cns.....lb.15.35 - —
No. 37, cns.....lb.12.35 - —
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.19.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics)—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns.....lb.21.85 - —
No. 8, cns.....lb. 7.85 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —
Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .58 - .60
189 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.35
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B.....lb. .60 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
495 Benzo purpurin 10B..lb. .45 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .80 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .95 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives...lb. .36 - .44
Blue—
7075 Alizarin astral base...lb.15.00 - —
1078 Alizarin syanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
680 Oil violet.....lb. .80 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue F.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10

Now RCI fulfills its promise with

5

outstanding new products...

No. 2100 SUPER-BECKACITE

A pure phenolic resin entirely new in formula, properties and *results*. Costs less, works faster, yields higher viscosity, dries quicker than any prewar pure phenolic. No. 1 choice for high grade enamels and spar varnishes.

No. 1337 BECKOSOL

A new pure alkyd, modified with a pure phenol, for car and truck refinishing assuring definitely superior water spotting resistance and very fast dry. In fact, it can be taped after overnight setting. All this, plus exceptional durability!

No. 1338 BECKOSOL

The addition of only 1% to 5% of this new alkyd hardener speeds up dry and hardening of air-dry products faster than anything previously known. Highly suitable for baking, tool

No. 1339 BECKOSOL

A new, pure alkyd, white brushing vehicle for products where maximum gloss retention, plus good initial color and color retention, is desired . . . non-sagging . . . overnight hard dry . . . better water-resistance than any prewar alkyd.

No. 1945 BECKOSOL SOLUTION

A new, non-phthalic alkyd which imparts greater durability than any product in its field . . . fast dry . . . quick through hardness . . . excellent water and alkali resistance. An ideal choice for exterior enamels, porch and deck paints, high grade industrial machinery enamels, etc.

SYNTHETIC RESINS

REICHHOLD CHEMICALS, INC.

General Offices and Main Plant, Detroit 20, Michigan

Other Plants:
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SYNTHETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Brown—
- 231 Bismarck brown G...lb. .47 - .62
- 234 Resorcin brown Y....lb. .65 - —
- 235 Resorcin dark brown R, lb. .66 - —
- 332 Bismarck brown R...lb. .47 - .62
- 793 Phosphin .....lb. 4.65 - —

Green—
- 5 Naphthol green B....lb. 1.00 - —
- 657 Malachite green.....lb. 1.35 - —
- 662 Brilliant green.....lb. 2.00 - —
- 668 Guinea green B.....lb. 1.15 - —
- 737 Wool green S.....lb. .58 - —
- 924 Methylene green B...lb. 1.55 - —
- 1078 Alizarin cyanin green.lb. 2.00 - —

Orange—
- 10 Chrysodin G.....lb. .44 - —
- 21 Chrysodin R.....lb. .41 - —
- 27 Orange G.....lb. .50 - —
- 31 Amidonaphthol red G.lb. .42 - —
- 37 Amidonaphthol red 6B, lb. .68 - —
- 151 Orange Y.....lb. .31 - .33
- 161 Orange R.....lb. .34 - —

Red—
- 79 Ponceau R.....lb. .48 - —
- 88 Fast red B.....lb. 1.65 - —
- 176 Fast red A[6].....lb. .54 - —
- 179 Azorubin .....lb. .60 - —
- 183 Crocein scarlet 3BX..lb. .72 - .75
- 185 Cochineal red A.....lb. .60 - —
- 252 Brilliant crocein M...lb. .68 - —
- 677 Fuchsin .....lb. 2.10 - —
- 749 Rhodamine B.....lb. 3.50 - —
- 752 Rhodamine 6B.....lb. 4.50 - —
- 768 Eosin G.....lb. 1.50 - —
- 841 Safranin .....lb. 1.45 - —

Violet—
- 680 Methyl violet B.....lb. .70 - .75
- 681 Crystal violet B.....lb. 1.75 - —
- 695 Acid violet 4BN.....lb. .88 - —

Dyes, coaltar, for stains, spirit-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Yellow—
- 10 Naphthol yellow S....lb. .88 - —
- 138 Metanil yellow.....lb. .56 - .58
- 636 Fast light yellow.....lb. 1.25 - —
- 639 Xylene light yellow..lb. 1.15 - —
- 640 Tartrazin .....lb. .80 - —
- 655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
- 564 Nigrosin .....lb. .36 - .44

Blue—
- 800 Indulin .....lb. .60 - .70

Brown—
- 331 Bismarck brown.....lb. 1.50 - —

Green—
- 637 Malachite green base.lb. 2.00 - —

Orange—
- 20 Chrysoidin G.....lb. .95 - —
- 21 Chrysoidin R.....lb. .96 - —

Red—
- 677 Fuchsin, magenta, base. lb. 7.25 - —
- 749 Rhodamine R.....lb. 4.75 - —

Yellow—
- 67 Amidoazotoluene yellow. lb. .75 - —
- 655 Auramine .....lb. 2.00 - —
- 800 Chinolin yellow SS...lb. 2.00 - —

Violet—
- 680 Methyl violet base....lb. .85 - —

Dyes, natural (see name of article).

E

- Echinacea root, bls.....lb. .75 - .80
- Egg,[1,7] albumen (see Albumen).
- Yolk,[1,7] dried, dom., bbls....lb. 1.05 - 1.11
- imported .....lb. No stocks
- Elder flowers, bright, bls.....lb. .65 - .70
- Elecampane root, bls.....lb. .32 - .33
- Elm bark, grinding, bls.....lb. .35 - .36
- powd., bbls., bxs.....lb. .55 - .56
- select, bndls.....lb. .55 - .56
- Emetine hydrochloride, bots..oz. 21.00 - 33.00
- Ephedra, bls.....lb. .28 - .30
- Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
- Hydrochloride, tins.....oz. .95 - 1.45
- Sulphate, tins.....oz. .95 - 1.45
- Synthetic, USP, anhydrous, bots., 100 ozs..oz. .65 - —
- hydrous, bots., 100 ozs..oz. .65 - —
- Hydrochloride, tin, 100 ozs.. oz. .50 - —
- Sulphate, cryst., tins, 100 ozs. oz. .48 - —
- Epinephrine, synth., USP, bots. gram. .75 - —
- Epsom salt, tech., cryst., bgs., c.l..100 lbs. 1.80 - 1.95
- l.c.l. .....100 lbs. 2.15 - 2.40
- dried, bgs.....lb. .03½ - —
- l.c.l., bgs.....lb. .04 - .07
- USP, cryst., bgs., c.l..100 lbs. 2.00 - —
- l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
- smaller lots....100 lbs. 2.50 - —
- bbls., c.l.....100 lbs. 2.10 - —
- l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
- smaller lots.....100 lbs. 2.60 - —
- kgs., c.l.....100 lbs. 2.35 - —
- l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
- smaller lots.....100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

- Ergot, USP, cs.....lb. 1.15 - 1.20
- Eserine, bots.....oz. No prices
- Sulphate, 1-gram, vials....vial. 2.10 - —

- Ether, acetic (see Ethyl acetate).
- Amyl (see Amyl ether).
- Butyl, l.c.l., dms., dlvd.....lb. .30 - —
- Ethyl (see Ether, sulphuric).
- Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10
- Sulphuric, conc., dms.....lb. .11 - .16
- USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
- Synthetic, dms., c.l., wks...lb. .14½ - —
- l.c.l., works.....lb. .15½ - —
- tanks .....lb. .12½ - —
- Ethyl acetate,[3] 85-90%, dms., c.l., frt. alld..lb. .1050- .120
- l.c.l., frt. alld.....lb. .1100- .125
- tanks, frt. alld.....lb. .0950- .110
- 95-98%, dms., c.l., frt. alld.. lb. .1075- .127
- l.c.l., frt. alld.....lb. .1125- .132
- tanks, frt. alld.....lb. .0975- .117
- NF, dms.....lb. .14½ - .15½
- Acetoacetate, dms., c.l., works. lb. .37½ - —
- l.c.l., frt. alld.....lb. .38 - —
- Benzoate, bots.....lb. .90 - 1.00
- Bromide, tech., dms.....lb. .50 - .55
- Carbamate, dms., dlvd. E...lb. .58 - —
- Chloride, tech., dms.....lb. .18 - .20
- USP, bbls., cyl.....lb. .20 - .22
- Cinnamate, cns.....lb. 3.25 - 3.85
- Formate, dms., Agnue, Calif., lb. .26 - .32
- Iodide, bots.....lb. 3.50 - 3.60
- Lactate, dms., works.....lb. .33½ - .39½
- Myristate, dms., works.....lb. .55 - —
- Oenanthate, dms.....lb. 1.50 - 1.75
- Oleate, dms., l.c.l., works...lb. .47 - —
- Oxalate, dms., frt. alld.....lb. .33 - —
- Silicate, dms., l.c.l., works..lb. .77 - —
- Ethylcellulose,[6] pkgs., 5,000 lbs. or more, works..lb. .50 - —
- smaller lots, works.....lb. .52 - .60
- Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
- Ethylene dichloride,[6] dms., c.l., works, frt. alld. E. of Rockies, frt. alld..lb. .0842- —
- West of Rockies..lb. .0891- —
- l.c.l., works, frt. alld. E. of Rockies..lb. .0891- —
- West of Rockies..lb. .0941- —
- tanks, frt. alld. E. of Rockies, lb. .0743- —
- West of Rockies..lb. .0792- —
- Trichloride (see Trichloroethane).
- Ethyleneglycol, dms., c.l., frt. alld. in E..lb. .10 - —
- l.c.l., same basis.....lb. .11 - —
- tanks, same basis.....lb. .09 - —
- Monobutylether, dms., c.l., wks. lb. .17½- —
- l.c.l., works.....lb. .18½- —
- tanks, works.....lb. .16½- —
- Monoethylether, dms., c.l., wks. lb. .15½- —
- l.c.l., works.....lb. .16½- —
- tanks, works.....lb. .14½- —
- Monoethylether acetate, dms., c.l., works..lb. .13½- —
- l.c.l., works.....lb. .14½- —
- tanks, works.....lb. .12½- —
- Monoethylether, dms., c.l., wks. lb. .16½- —
- l.c.l., works.....lb. .17½- —
- tanks, works.....lb. .15½- —
- Ethylethanolamine, dms., c.l., works..lb. .67 - —
- l.c.l., works.....lb. .60 - —
- Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
- Ethylmorphine hydrochloride, bots..oz. 10.50 - 10.75
- Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
- smaller lots.....lb. 5.30 - 5.40
- Eucalyptol, cns., dms.....lb. 2.75 - 3.00
- Eucalyptus leaves, bls.....lb. .10 - .18
- Eugenol, cns., dms.....lb. 2.65 - 2.25
- Euphorbia, bls.....lb. .12 - .13

F

- Feldspar, enamel, 100 mesh, l.c.l., bgs., min. 2 tons..ton. 17.00 - 20.50
- bulk, c.l.....ton. 14.00 - 17.50
- glass, 20 mesh, bgs., l.c.l., works, min. 2 tons..ton. 12.75 - 16.25
- bulk, c.l.....ton. 9.75 - 12.25
- pottery, bgs., l.c.l., works, min. 2 tons..ton. 20.00 - 22.00
- bulk, c.l., works.....ton. 17.00 - 10.00
- Fennel seed, Argentine, bgs..lb. .16½ Nom.
- Indian, bgs.....lb. .16½ Nom.
- Fenugreek, domestic, bgs.....lb. .13½- .14
- Indian, bgs.....lb. No stocks
- Morocco, bgs.....lb. .07¾- .08¼
- Ferric sulphate, anhyd., bgs., c.l., works..ton. 35.00 - —
- l.c.l., works.....ton. 40.00 - —
- Film scrap, colored, cs., works..lb. .13½- .15
- water-white, cs., works.....lb. .14½- .17
- Fir balsam, Canada, cns.....gal. 18.50 - 19.00
- Oregon, bbls.....gal. 2.45 - 2.50
- Fishberries, bgs.....lb. .24 - .25
- Fishliver oils (see Oil, fishliver).
- Fishmeal,[1,7] grd., 60% protein, bgs., E. works..ton. 72.50 - —
- 65% protein, bgs., E. works. ton. 73.50 - —
- Fishscrap,[7] dried, 60% protein, bulk, East coast..ton. 66.50 - —
- Flake, white, bbls.....lb. .09 - —
- kegs .....lb. .11 - —
- Fleaseed, dom., French-type, bgs. lb. .62 - .64
- French, black, bgs.....lb. No stocks
- Indian, blonde, bgs.....lb. .12 - .13
- Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines. net ton. 37.00 - —
- washed, gravel, 70% or more CaF_2, c.l., bulk, mines..ton. 33.00 - —
- 65%, c.l., bulk, mines....ton. 32.00 - —
- 60%, c.l., bulk, mines....ton. 31.00 - —
- less than 60%, c.l., bulk, mines..ton. 30.00 - —
- Formaldehyde,[1] bbls., c.l., works. lb. .0620- —
- l.c.l., works.....lb. .0670- —
- dms., extra, c.l., works.....lb. .0460- —
- l.c.l., works.....lb. .0510- —
- tanks, works.....lb. .0320- —
- tanktrucks, dlvd. N.Y.C.....lb. .0345- —
- Fringetree bark, bls.....lb. .56 - .56
- Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 - 15.00
- Tex. mines.....ton. 12.50 - —
- spent, bulk, Bayonne....ton. 3.00 - —
- Chicago .....ton. 4.00 - —
- imp., bgs., c.l.....ton. 30.00 - 40.00
- Furfural, ref., dms., c.l., works. lb. .15¾- —
- cns., dms., l.c.l., works....lb. .18½- .25¼
- tech., dms., c.l., works.....lb. .13 - —
- l.c.l., cns., dms.....lb. .18¾- .20¼
- tanks, works.....lb. .08¾- —
- Fusel oil, crude, dms., works..gal. .75 - —
- refd., dms., dlvd.....lb. .18½- .19¼
- Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .35 - —
- No. 1A, bbls., l.c.l.....lb. .34 - —
- No. 2, bbls., l.c.l.....lb. .33 - —
- No. 3, bbls., l.c.l.....lb. .31 - —
- liquid, No. 0, bbls., l.c.l...lb. .19 - —
- No. 1, bbls., l.c.l.....lb. .17½- —
- No. 2, bbls., l.c.l.....lb. .16½- —
- No. 3, bbls., l.c.l.....lb. .14 - —
- solid, No. 1, bxs., l.c.l....lb. .20¾- —

Why Glycerine is a SUPERIOR PLASTICIZER

GLYCERINE *solutions* do not differ markedly from glycerine itself in plasticizing action on hydrophillic (water-absorbing) materials. Glycerine absorbs moisture from the air, and the result is an increased weight of glycerine solution, which is distributed throughout the material in which it is used. This happens in tobacco, leather, cellophane, adhesives—or any of hundreds of other materials in which glycerine is used as a humectant-plasticizer. Actually, when glycerine is added to a product, its effect is to give the benefit of up to *three times its weight of plasticizer.*

In addition, glycerine's low vapor pressure, high sweetening power, value as a food, wholesomeness, emolliency, solvent power—all these advantages, plus many others, make glycerine the ideal humectant-plasticizer in many fields.

Crystal-clear C.P. glycerine is safe and dependable. Specify glycerine in the making of your products—now, and in the future.

GLYCERINE PRODUCERS' ASSOCIATION

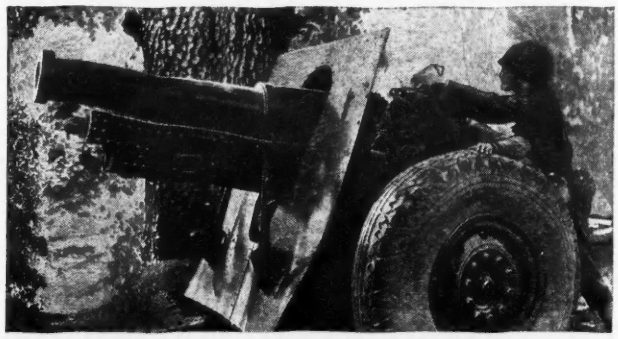
295 Madison Avenue, New York 17, N. Y.

Research Laboratories: Chicago, Ill.

In Cosmetics! C.P. glycerine's wholesomeness, emollient properties, resistance to evaporation, solvent power, and compatibility, make it ideal for use in many cosmetics.

In Foods! A food in itself, utilizable by the body as a carbohydrate, and with high sweetening power, glycerine is a standby in making flavorings, confections, soft drinks—and many other foods and food products.

In Textiles! Solvent power, low freezing point, high boiling point, miscibility with both water and alcohol, and excellent lubricating and softening powers, are among the reasons why glycerine is used in processing textiles.



In Resins! Glycerine is one of the important components in the making of alkyd resins. These resins make possible many useful textile finishes—as well as a wider range of paints or surface coatings.

In Food Packaging! Transparent wrappings that come into contact with foods are made through the use of glycerine—because it is wholesome. Glycerine helps assure you satisfied customers.

G

G salt, bbls.	lb.	.45 - —
Galangal root, bls.	lb.	.24 - .25
Gambier, cube, Singapore, cs.	lb.	No stocks
Extract, bbls.	lb.	No stocks
Gammapicoline, 95%, dms., c.l., works.	lb.	1.35 - —
Gasoline[1] at refinery, ex tax, Arkansas, 70-74 octane, tanks.	gal.	.05¾- —
Bayonne, 70-74 oct., tanks...	gal.	.08 - —
Gulf Coast, 70-74 oct., tanks.	gal.	.05¾- —
Group 3, 70-74 oct., tanks...	gal.	.05¾- —
Pennsylvania, western, US motor, 70-74 octane, leaded, tanks.	gal.	.0655- .0775
natural, 26/70, Group 3, tanks.	gal.	.04½- .04¾
Gelatin, silver label, ctns., divd.	lb.	.90 - .97
export, cs.	lb.	1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.		
Gelsemium root, bls.	lb.	.19 - .20
Gentian root, bls.	lb.	.34 - .35
grd., bbls., bxs.	lb.	.36 - .37
powd., bbls., bxs.	lb.	.37 - .38
Geraniol, 92-96%, cns., dms.	lb.	No prices
Geranyl acetate, cns.	lb.	3.50 - 3.60
Ginger,[1] African, No. 1, bls.	lb.	.15½- .16
Calicut, bgs.	lb.	.16½- .17
Romeo-type, bgs.	lb.	.16½- .17
Cochin, bleached, bgs.	lb.	.17½- .18
unbleached, bgs.	lb.	.16½- .17
Jamaica, No. 1, bgs.	lb.	.23 - .23½
No. 2, bgs.	lb.	.21½- .22
No. 3, bgs.	lb.	.18 - .18½
Rhattoon, bgs.	lb.	.17½- .18
Ginseng root, wild, South, cs.	lb.	8.00 - 9.00
Glaubers salt, anhyd. (see Soda sulphate).		
cryst., bgs., bbls., works.	100 lbs.	1.06 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest.	lb.	.16 - —
30/58, bgs., c.l., same basis.	lb.	.15½- —
58/82, bgs., c.l., same basis.	lb.	.17 - —
82/108, bgs., c.l., same basis.	lb.	.18½- —
Bone glue, l.c.l. prices 1c. higher than c.l.		
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., divd.	lb.	.14 - .21½
122-149, bgs., c.l., divd.	lb.	.15 - .22½
150-177, bgs., c.l., divd.	lb.	.16 - .23½
178-206, bgs., c.l., divd.	lb.	.17 - .24½
207-236, bgs., c.l., divd.	lb.	.18 - .25½
237-266, bgs., c.l., divd.	lb.	.19 - .26½
267-298, bgs., c.l., divd.	lb.	.20 - .27½
299-330, bgs., c.l., divd.	lb.	.21 - .28½
331-362, bgs., c.l., divd.	lb.	.22 - .29½
363-394, bgs., c.l., divd.	lb.	.23 - .30½
395-427, bgs., c.l., divd.	lb.	.24 - .31½
428-460, bgs., c.l., divd.	lb.	.25 - .32½
461-494, bgs., c.l., divd.	lb.	.26 - .33½
495-529, bgs., c.l., divd.	lb.	.27 - .34½
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. over bgs.		
Glycerin, crude, saponification, 88%, to refiners, tanks.	lb.	.12½- —
soaplye, 80%, tanks.	lb.	.11½- —
dynamite, dms., c.l.	lb.	.16½- —
l.c.l.	lb.	.17 - —
tanks	lb.	.16¼- —
high gravity, dms., c.l.	lb.	.16¾- —
l.c.l.	lb.	.17¼- —
tanks	lb.	.16½- —
ref., USP, CP, 95%, dms., c.l.	lb.	.17¼- —
l.c.l.	lb.	.17¾- —
tanks	lb.	.17 - —
B. P., 98%, dms., c.l.	lb.	.17¾- —
l.c.l.	lb.	.18¼- —
tanks	lb.	.17½- —
yellow, distilled, dms., c.l.	lb.	.14⅜- —
l.c.l.	lb.	.17½- —
tanks	lb.	.16⅜- —
Glycine, USP, bbls., tins.	lb.	1.25 - 1.30
Glycol boriborate, dms.	lb.	.22 - —
Stearate, dms.	lb.	.26 - —
Gold chloride, acid-brown, bots.	oz.	20.75 -21.00
acid-yellow, bots.	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.	oz.	13.00 - —
USP IX, bots.	oz.	14.50 -14.75
Goldenseal root, bls.	lb.	8.25 - 8.35
powd., bxs.	lb.	8.50 - 8.60
Gold of pleasure seed, bgs.	lb.	No stocks
Grains of paradise, bgs.	lb.	.30 - .37
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse.	lb.	.04½- —
70-75%, bgs., same basis.	lb.	.05 - —
75-80%, bgs., same basis.	lb.	.05½- —
80-85%, bgs., same basis.	lb.	.06 - —
85-90%, bgs., same basis.	lb.	.07 - —
90% and up, same basis.	lb.	.08 - —
Grease, house,[1,7] loose.	lb.	.08¼- —
White, choice, loose.	lb.	.08⅞- —
Wool (see Adeps lanae and Degras).		
Green, brilliant,[1] thioflavin toner, molybdic, kgs., works.	lb.	3.25 - —
tungstic, kgs., works.	lb.	3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., divd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.23 - —
15%, bbls., same basis.	lb.	.25 - —
20%, bbls., same basis.	lb.	.25½- —
21-25%, bbls., same basis.	lb.	.26 - —
26-30%, bbls., same basis.	lb.	.26½- —
31-35%, bbls., same basis.	lb.	.27½- —
36-40%, bbls., same basis.	lb.	.29 - —
41-45%, bbls., same basis.	lb.	.30½- —
46-50%, bbls., same basis.	lb.	.33 - —
reduced color, 5%, bbls., same basis.	lb.	.06¾- —
9-10%, bbls., same basis.	lb.	.07½- —
11-13%, bbls., same basis.	lb.	.08 - —
14-16%, bbls., same basis.	lb.	.08¼- —
17-19%, bbls., same basis.	lb.	.08½- —
20-21%, bbls., same basis.	lb.	.08¾- —
22-23%, bbls., same basis.	lb.	.09 - —
24-25%, bbls., same basis.	lb.	.09¼- —
26-27%, bbls., same basis.	lb.	.09½- —
28-29%, bbls., same basis.	lb.	.10 - —
30-31%, bbls., same basis.	lb.	.10½- —
32-33%, bbls., same basis.	lb.	.12 - —
34-35%, bbls., same basis.	lb.	.12 - —
36-40%, bbls., same basis.	lb.	.14 - —
41-45%, bbls., same basis.	lb.	.17 - —
46-50%, bbls., same basis.	lb.	.17½- —
51-55%, bbls., same basis.	lb.	.18 - —
56-60%, bbls., same basis.	lb.	.18½- —
61-65%, bbls., same basis.	lb.	.19 - —
70%, bbls., same basis.	lb.	.20 - —
Green, chrome, reduced color, 71-75%, bbls., same basis.	lb.	.21 - —
Chrome green prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.		
Chrome oxide, pure, dms., wks.	lb.	.24 - —
Malachite, thioflavin toner, molybdic, bbls., works.	lb.	3.00 - —
tungstic, bbls., works.	lb.	3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide), bbls., works.	lb.	.85 - —
toner, bbls., works.	lb.	4.00 - 5.00
Paris (see P).		
Tungstated, brilliant, kgs.	lb.	3.00 - —
emerald, kgs.	lb.	2.60 - —
Verdigris (see V).		
Green dyes (see Dyes, coaltar)		
Grindelia robusta, bls.	lb.	.21 - .23
Gualac, resin, cs.	lb.	.48 - .49
Wood, bls.	lb.	.06 - .06
Guaiacol, liquid, fib. dms.	lb.	1.75 - 2.01
Carbonate, dms.	lb.	2.40 - 2.74
Guanidin carbonate,[1] bbls., c.l., works.	lb.	.57 - —
l.c.l., works.	lb.	.58 - .73¼
Guarana, powd., cs.	lb.	2.00 - 2.10
Gum accroides (see Gum, yacca).		
Aloe (see A).		
Ammoniac, tears, cs.	lb.	.90 - .96
Arabic, amber, sorts, bgs.	lb.	.11½- .12
white, sorts, 1, bgs.	lb.	.28 - .30
Asafetida (see A).		
Asphaltum (see A).		
Gum, benzoin, artificial, cns.	lb.	1.75 - 2.35
Siam, cs.	lb.	3.00 - 3.50
Sumatra, cs.	lb.	.52 - 1.00
Camphor (see C).		
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse.	lb.	.55¾- —
31, bgs., c.l., same basis,	lb.	.21½- —
32, bgs., c.l., same basis,	lb.	.16¾- —
33, bgs., c.l., same basis,	lb.	.14⅝- —
34, bgs., c.l., same basis,	lb.	.09¾- —
35, bgs., c.l., same basis,	lb.	.15⅞- —
36, bgs., c.l., same basis,	lb.	.12⅝- —
37, bgs., c.l., same basis,	lb.	.18¾- —
38, bgs., c.l., same basis,	lb.	.12¾- —
39, bgs., c.l., same basis,	lb.	.10⅝- —
40, bgs., c.l., same basis,	lb.	.08½- —
41, bgs., c.l., same basis,	lb.	.11⅝- —
unsorted, No. 1, bgs., same basis.	lb.	.15⅝- —
2, bgs., c.l., same basis.	lb.	.13½- —
3, bgs., c.l., same basis.	lb.	.12¾- —
FAD, bgs., c.l., same basis,	lb.	.15⅝- —
East India,[1] Batu, bold, scraped, c.l., same basis.	lb.	.10½- —
unscraped, same basis.	lb.	.09 - —
chips, same basis.	lb.	.05¾- —
dust, same basis.	lb.	.05½- —
Gum, copal, Momboyo, No. 1, bgs., c.l., ex dock or port, whse.	lb.	.13¾- —
nubs and chips, same basis.	lb.	.05¾- —
black, bold, scraped, bgs.,	lb.	.12 - —
unscraped	lb.	.07½- —
nubs and chips, same basis.	lb.	.07½- —
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis.	lb.	.17⅝- —
chips, same basis.	lb.	.11¾- —
dust, same basis.	lb.	.06½- —
nubs, same basis.	lb.	.12⅝- —
Singapore, Rasak, bold, bgs., same basis.	lb.	.22⅜- —
chips, same basis.	lb.	.11¾- —
dust, same basis.	lb.	.06½- —
nubs, same basis.	lb.	.16⅞- —
Macassar,[1] dust., bgs., c.l., same basis.	lb.	.07⅝- —
MA, same basis.	lb.	.09¾- —
MB, same basis.	lb.	.09¼- —
WS, bgs., same basis.	lb.	.11⅝- —
Manila, Boeas,[1] hard, bold, amber, light, bskts., c.l., same basis.	lb.	.13½- —
dark, light, same basis.	lb.	.14½- —
white, same basis.	lb.	.15½- —
Loba,[1] A, bgs., c.l., same basis.	lb.	.14 - —
B, same basis.	lb.	.13⅝- —
C, same basis.	lb.	.13⅜- —
CBB, same basis.	lb.	.12 - —
CNE, same basis.	lb.	.10 - —
D, same basis.	lb.	.12⅝- —
DBB, same basis.	lb.	.11 - —
DK, same basis.	lb.	.09½- —
DU, same basis.	lb.	.05⅜- —

IS YOUR FORMULA COMPLICATED BY MANY COSTLY INGREDIENTS?

in a tizzy?

NARROW DOWN WITH PROPYLENE GLYCOL—THE ECONOMICAL, *MULTIPURPOSE* MATERIAL!

Dow Propylene Glycol, n.f.

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CHEMICALS INDISPENSABLE TO INDUSTRY AND VICTORY

Gum, copal, Manila, Loba, dust, same basis..lb. .07⅞- —
WB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11⅛- —
Manila-Singapore[1] white split chips, bgs., c.l., same basis..lb. .13½- —
dust, same basis.....lb. .07⅞- —
whse., entry point, c.l..lb. .08⅜- —
Philippine,[1] Manila, extra bold and bold, pale, scraped, bskts., same basis..lb. .15 - —
extra bold, sorts, bgs., c.l., same basis..lb. .12¾- —
pale chips, bold, same basis, lb. .13 - —
nubs, WCB, same basis..lb. .13¾- —
seeds, dust, same basis...lb. .08¾- —
SQ, same basis.....lb. .10½- —
small chips, same basis..lb. .11¾- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23⅜- —
mixed, same basis.....lb. .17⅜- —
chips, small, same basis..lb. .12⅜- —
cuttings of split, same basis, lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l., prices ½c. to ½c. higher.
Dammar,[1] Batavia, A, cns., c.l., same basis..lb. .35⅜- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .28⅜- —
A/E, same basis.....lb. .25⅜- —
B, same basis.....lb. .34⅜- —
C, same basis.....lb. .28⅜- —
D, same basis.....lb. .25⅜- —
E, same basis.....lb. .18⅜- —
F, same basis.....lb. .13⅜- —
dust, same basis.....lb. .13⅜- —
Singapore,[1] No. 1, c.a., c.l.lb. .30⅜- —
2, bgs., same basis.....lb. .25 - —
3, bgs., same basis.....lb. .12⅜- —
chips, cs., same basis....lb. .23½- —
dust, bgs., same basis...lb. .13 - —

Gum, dammar, seeds, cs., same basis..lb. .17¼- —
Gum, dammar, l.c.l., prices ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or whse. entry port..lb. .09½- .09¾
Ester, gum-rosin, type[1,4] dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd. Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- —
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —

Gum, kauri, white, chips, pale, same basis..lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis...lb. .20¾- —
extra, No. 1, same basis..lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior No. 1, same basis, lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.60 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .60 - .65
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .97½- .99½
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.80 - 3.90
No. 2, cs.....lb. 2.75 - 3.30
No. 3, cs.....lb. 2.15 - 2.60
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.30.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —

Gypsum, plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equal. ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y.; works..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla., works, ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 0, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,8] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.45 - 1.50
Henna leaves, bls.....lb. .16 - .17
powd., bbls., bxs.....lb. .21 - .22
Heptane,[1] 50°-100° C., industrial grade, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....ga.l .29 - .55
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .12
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammon., bulk, c.l., Chicago..unit-ton. 4.50 - 5.00
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots.....oz.20.00 -25.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18½
Hyproquinone, bbls., dms.....lb. .90 - .94
Hydroxycitrocellal, cns.....lb. 8.50 - 9.00
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .30 - —
Hyssop, bgs.....lb. 1.25 - 1.30

I

Iceland moss, bgs.....lb. .50 - .55
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.23.00 -24.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs.....lb. 1.28¼- —
resubl., 5-lb. bots., jars....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or fib. dms.....lb. 4.20 - —
Ionone, ketone, dms.....lb. 5.50 - 5.75
Methyl, dms.....lb. 5.75 - 6.00
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 60-80 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd., 60-80 mesh, bbls..lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08½
solut., 42 be, cbys., works, frt. alld. or equald..lb. .05½- .06
djns., same basis.....lb. .10 - —

LANOLINE
Anhydrous U. S. P. Hydrous
Technical
★
WOOLGREASE
Refined Neutrals
All Grades
ROWAG
BEESWAX
Sunbleached U. S. P. Yellow
ROBINSON WAGNER CO.
MANUFACTURERS AND REFINERS
110 E. 42nd St. New York 17, N. Y.

Iron citrate, USP VIII, gran., dms.	lb.	.70 - .75
powd., cns.	lb.	.84 - .87
Glycerophosphate, bbls.	lb.	3.30 - 3.40
cns., 25 lbs.	lb.	3.52 - —
Hypophosphite, bbls., dms.	lb.	1.50 - 1.52
Iodide, bots.	lb.	3.18 - 3.32
Naphthenate, 6% Fe, 50-gal. dms.	lb.	.15 - —
Nitrate, red, tech., dms.	lb.	.03½- .04
Oxalate, gran., dms.	lb.	.83 - .85
powd., cns.	lb.	.52 - —
kgs.	lb.	.47 - .49
Phosphate, soluble, NF, gran., cns.	lb.	.54 - .57
Pyrophosphate, gran., cns.	lb.	.59 - .63
Reduced, 90%, kgs.	lb.	.65 - .75
Resinate,[4] 7.4% Fe, 100-lb. dms.	lb.	.17½- —
Sulphate, tech. (see Copperas, and Ferric sulphate).		
USP, cryst., bbls., dms.	lb.	.05½- .11
Tallate, 4% Fe, 50-gal. dms.	lb.	.10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.	lb.	.33 - .38
scales, dms.	lb.	.49 - .52
Oxalate, bbls.	lb.	.23½- —
dms., kgs.	lb.	.25½- .26½
Iron-soda oxalate, bbls., dms.	lb.	.23½- .26½
Isobornyl acetate, cns., works.	lb.	.85 - .90
Isobutyl acetate,[6] dms., works.	lb.	No prices
Propionate, dms., works.	lb.	No prices
Isoeugenol, cns., works.	lb.	4.05 - 4.25
Isopentane, dms., works.	lb.	.45 - .55
Isophorone, dms., c.l., works.	lb.	21 - —
l.c.l., works.	lb.	.22 - —
tanks, works.	lb.	.20 - —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.	lb.	.11 - —
l.c.l., E. of Rockies, same basis.	lb.	.11½- .12
tanks, E. of Rockies, same basis.	lb.	.10 - —
Alcohol (see Alcohol, isopropyl).		
Ether, dms., c.l., divd.	lb.	.06 - —
l.c.l.	lb.	.06½- —
tanks, divd.	lb.	.04½- —
Isopropylamine, dms., works.	lb.	.35 - —

J

Jaborandi leaves, bls.	lb.	.09 - .10
Jalap root, NF, bls.	lb.	.32 - .33
powd., bbls., bxs.	lb.	.38 - .39
Resin, lump, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, dom., bgs.	lb.	.45 - .70
Juniper tar, USP, dms.	lb.	.75 - 1.15

K

Kamala, cns.	lb.	.45 - .50
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.23 - .24
Kerosene, at refinery: Ark., 41-44 w.w., tanks.	gal.	.04½- —
Bayonne, 41-43 w.w., tanks.	gal.	.050 - —
Gulf ports, 41-43 w.w., tanks.	gal.	.04½- —
Okla.-Tex., 41-43 w.w., tanks,	gal.	.04⅝- —
Penn., 46 w.w., tanks.	gal.	.05 - .0606
46 w.w., tanks.	gal.	.0575- .05875
San Francisco, tanks.	gal.	.11½- —
Kola nuts, bgs.	lb.	.09 - .10

L

Ladyslipper root, bls.	lb.	1.35 - 1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] pure, ref. trcs.	lb.	.15 22½- —
prime steam, trcs.	lb.	.14 48- —
Larkspur seed, bgs.	lb.	1.70 - 2.00
Laurel berries, bls.	lb.	.25 - .26
Leaves, Cyprus, bls.	lb.	.23¼- .23¾
Greek, bls.	lb.	No stocks.
Portuguese, bls.	lb.	.15½- .16
Turkish, futures, bls.	lb.	.20 - .21
Lavender flowers, medium, bls.	lb.	.75 - .80
ordinary, bls.	lb.	.60 - .65
select, bls.	lb.	.90 - .95
Lead, acetate,[1] white, broken, bbls.	lb.	.12¼- —
cryst., bbls.	lb.	.12½- —
gran., powd., bbls.	lb.	.13¼- —
Arsenite,[1,6] basic, powder, 3-lb. bgs., or larger, c.l.	lb.	.11¼- .12
l.c.l.	lb.	.12 - .12½
1-lb. ctns., c.l.	lb.	.18½- .22½
l.c.l.	lb.	.19 - .23
standard, paste, cns, c.l.	lb.	.05¾- .06
l.c.l.	lb.	.06 - .06¼
powder, 3-lb. bgs., or larger, c.l.	lb.	.11 - .11½
1-lb. bgs., c.l.	lb.	.16 - .20
l.c.l.	lb.	.16½- .20½
1-lb ctns., c.l.	lb.	.18 - .23
l.c.l.	lb.	.18½- .23½
½-lb. ctns., c.l.	lb.	.21 - .25
¼-lb. ctns., l.c.l.	lb.	.21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., divd. E.	lb.	.07½- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾- —
l.c.l., divd. E.	lb.	.07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08 - —
Carbonate (see Lead, white).		
Chloride, fib. dms.	lb.	.49 - —
Iodide, NF V, bots.	lb.	2.80 - —
jars	lb.	2.69 - —
Linoleate, pale, precip., bbls.	lb.	.22½- —
Metal,[1,6] (see Protective Coatings Materials market).		
Metallic paste, dms., works.	lb.	No stocks.
Naphthenate, 24%-30% Pb.	lb.	.14¼- .17½
Nitrate, bbls.	lb.	.12½- —
Oleate, bbls.	lb.	.17¾- —
Peroxide, powd., tech., bbls.	lb.	.23 - .28
Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼- —
other points.	lb.	.09 - —
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.09¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¾- —
Lead, red, 95% Pb_3O_4 or less, bbls., l.c.l., Colo., Mont., N. Mex., Wyo.	lb.	.10 - —
other points.	lb.	.09½- —
smaller lots, Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10½- —
other points.	lb.	.10 - —
in oil, kgs.	lb.	.14 - —
97% Pb_3O_4, bbls., c.l., divd. Ala., etc.	lb.	.09½- —
other points.	lb.	.09¼- —
l.c.l., 5 tons, divd. Ala., etc.	lb.	.10 - —
Ariz., etc.	lb.	.10½- —
Colo., etc.	lb.	.10½- —
other points.	lb.	.09¾- —
smaller lots, divd. Ala.,	lb.	.10¾- —
Ariz., etc.	lb.	.11 - —
Colo., etc.	lb.	.10¾- —
other points.	lb.	.10¼- —
98%, Pb_3O_4, bbls., c.l., (20 tons), divd. Ala., etc.	lb.	.09¾- —
other points.	lb.	.09½- —
l.c.l., 5 tons, divd. Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10½- —
other points.	lb.	.10 - —
smaller lots, divd. Ala., etc.	lb.	.10½- —
Ariz., etc.	lb.	.11¼- —
Colo., etc.	lb.	.11 - —
other points.	lb.	.10½- —
Resinate,[4] precip., 23.3% Pb., dms.	lb.	.17½- —
Silicate, bgs.	lb.	.0730- .0780
Soyate, 26.15% Pb., dms.	lb.	.22¼- —
Stearate, bbls.	lb	.31 - .33
Sulphate (see Lead, blue; Lead, white, basic sulphate).		
Lead tallate, 10% Pb, dms.	lb.	.06½- —
Titanate, bgs., bbls., c.l., works, frt. alld.	lb.	.11 - —
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11½- —
smaller lots, E. frt. alld.	lb.	.11½- —
Pac. Cst., ex whse.	lb.	.11¾- —
White, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.08½- —
divd. other points.	lb.	.08¼- —
l.c.l., divd. Ariz., etc.	lb.	.08⅜- —
other points.	lb.	.08½- —
basic sulphate, dry, bbls., c.l., divd. Ariz., etc.	lb.	.07½- —
other points.	lb.	.07¾- —
l.c.l., divd. Ariz., etc.	lb.	.08 - —
other points.	lb.	.07½- —
in oil, consumers, kgs.	lb.	.13¼- .13⅜
painters, kgs.	lb.	.12⅛- .12½
Lecithin, edible, dms., c.l.	lb.	.25¼- —
l.c.l.	lb.	.26½- .45
in cocoa butter, dms., c.l.	lb.	.39½- —
l.c.l.	lb.	.40¾- .59
tech., dms., c.l.	lb.	.25¼- —
l.c.l.	lb.	.26½- .45
vegetable, pure, bots, 100 lbs.	lb.	2.75 - —
Lemon peel, bls.	lb.	.30 - .35
Licorice extract, mass, cns.	lb.	.25 - .72
powd., bbls.	lb.	.60 - .88
Root, Indian, bls.	lb.	.12 - .14
powder, bbls.	lb.	.18 - .20
Russian, bls.	lb.	.12 - .18
Spanish, bls.	lb.	.12 - .13
Turkish, bls.	lb.	.12 - .13
Lignin extract, tanning grade, hgs., c.l., works.	lb.	.04 - —
Lime, chemical (quicklime) lump, pebble, Adams, Mass.	ton.	8.00 - —
Annville, Pa.	ton.	7.50 - —
Bellefonte, Pa.	ton.	7.50 - —
Berkeley, W. Va.	ton.	7.50 - —
Buffalo, N. Y.	ton.	9.25 - —
Carey, Ohio.	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	8.50 - —
Crab Orchard, Tenn.	ton.	6.90 - —
Eagle Mountain, Va.	ton.	7.65 - —
Farnams, Mass.	ton.	8.00 - —
Gibsonburg, Ohio.	ton.	7.50 - —
Hannibal, Mo.	ton.	6.50 - —
Keystone, Ala.	ton.	6.90 - —
Knoxville, Tenn.	ton.	6.90 - —
Limedale, Ark.	ton.	7.00 - —
Longview, Ala.	ton.	6.90 - —
Manistique, Mich.	ton.	8.00 - —
Marblehead, Ohio.	ton.	7.50 - —
Martinsburg, W. Va.	ton.	7.50 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	6.50 - —
Newala, Ala.	ton.	6.90 - —
Ripplemead, Va.	ton.	7.65 - —
Riverton, Va.	ton.	7.65 - —
Rockland, Maine.	ton.	8.00 - —
Scioto, Ohio.	ton.	6.50 - —
Sherwood, Tenn.	ton.	6.90 - —
Sherwood, Wisc.	ton.	8.50 - —
Springfield, Mo.	ton.	7.00 - —
Woodville, Ohio.	ton.	7.50 - —
York, Pa.	ton.	7.50 - —
Hydrated, Adams, Mass.	ton.	9.00 - —
Annville, Pa.	ton.	9.00 - —
Bellefonte, Pa.	ton.	9.00 - —
Berkeley, W. Va.	ton.	9.50 - —
Buffalo, N. Y.	ton.	9.50 - —
Carey, Ohio.	ton.	8.50 - —

White Lead Adds *MORE* of the Properties that make Good House Paint

1 MIXING AND GRINDING EASE
2 PACKAGE STABILITY
3 HIDING
4 BRUSHABILITY
5 LEVELING
6 DRYING ACTION
7 WHITENESS
8 FOOL-PROOFNESS
9 FILM STRENGTH
10 FLEXIBILITY
11 TINT RETENTION
12 ADHESION
13 GLOSS
14 WEATHER RESISTANCE

YOU: Why are you painting all those words on that house?

DUTCH BOY: They're the properties that help you make good house paint.

YOU: Sure, every paint man knows that.

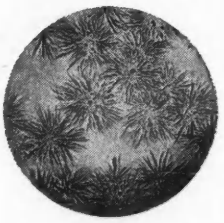
DUTCH BOY: But did you know you can get all 14 of them from one pigment—Basic Carbonate White Lead? And what's more, it imparts these properties to paint in well-balanced proportion.

YOU: Keep on—you interest me.

DUTCH BOY: And so will the story in the next column—about the "soap" formations that account for many of White Lead's properties.

* * *

Consult National Lead's technical staff for the whole picture of how Dutch Boy Basic Carbonate White Leads fit into your formulations. Take advantage of our broad experience which includes 28 years of continuous outdoor paint testing at our Sayville, L. I. test station.



The "Soap" that makes Paint Better

Many of White Lead's paint making properties are traceable, in an important degree, to the formation of lead soaps by the reaction of white lead with the oil. White Lead produces a unique type of soap formation with a fibrous structure and multiple projections radiating from a central core. The photomicrograph shows how the soaps spread out and mechanically reinforce the paint film. These soaps help make a more completely bonded film, having greater toughness, flexibility, adhesion and weather resistance.

The tendency of white lead to combine with linseed oil also explains why this pigment wets easily and consequently mixes and grinds well.

NATIONAL LEAD COMPANY: *New York 6, Buffalo 3, Chicago 80, Cincinnati 3, Cleveland 13, St. Louis 1, San Francisco 10, Boston 6 (National Boston Lead Co.); Pittsburgh 30 (National Lead & Oil Co. of Penna.); Philadelphia 7 (John T. Lewis & Bros. Co.)*

DUTCH BOY *Basic Carbonate* **WHITE LEADS**

Lime, hydrated, Cedar Hollow, Pa..ton.10.00 - —
Crab Orchard, Tenn..ton. 9.65 - —
Eagle Mountain, Va...ton. 9.15 - —
Farnams, Mass. .....ton. 9.00 - —
Gibsonburg, Ohio.....ton. 8.50 - —
Hannibal, Mo. .....ton. 8.50 - —
Keystone, Ala. .....ton.10.65 - —
Knoxville, Tenn.....ton. 9.65 - —
LeRoy, Minn. .....ton.10.00 - —
Limedale, Ark. .....ton. 9.00 - —
Longview, Ala.....ton. 9.65 - —
Manistique, Mich.....ton. 9.50 - —
Marblehead, Ohio.....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala. .....ton. 9.65 - —
Petoskey, Mich. .....ton. 9.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. Dak...ton.12.00 - —
Ripplemead, Va. .....ton. 9.15 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio .....ton. 8.00 - —
Sherwood, Tenn.....ton.10.65 - —
Sherwood, Wisc.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa. .....ton. 9.00 - —
Spray, paper bgs., Adams, Mass..ton.10.00 - —
Annville, Pa. .....ton.10.00 - —
Bellefonte, Pa. .....ton. 10.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio ....ton.10.00 - —
Marblehead, Ohio.....ton.10.00 - —
Rockland, Maine.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa. .....ton.10.00 - —
Lime salts (see Calcium).

Lime-ammonia-nitrogen[3] 20.5% N. (see Ammonia nitrate-limestone).
Linalool, cns.....lb. 7.25 - 8.00
Linalyl acetate, cns.....lb. 3.60 - 3.75
Linden flowers with leaves, bls., lb. .85 - .90
Linseed meal,[1,7] 34%, bulk, c.l. ton.45.00 - —
32%, bulk, c.l.....ton.43.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
other points.....lb. .08½- —
smaller lot, dlvd. Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
smaller lots, works.. ..lb. 1.92 - 1.95

Lithium carbonate, NF, bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls.....lb. 2.45 - 2.66
Hydroxide, jars.....lb. 1.25 - 1.46
Iodide, bots.....lb. 5.20 - —
jars .....lb. 5.05 - —
Stearate, fib. dms., 3 tons, works..lb. .50 - —
Lithopone,[1,4] ordinary, bgs., c.l. (20 tons)..lb. .04¼- —
l.c.l. .....lb. .04½- —
bbls., c.l.....lb. .04½- —
l.c.l. .....lb. .04¾- —
Titanated,[6] (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l. ex. whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .65 - .66
Lobelia herb, bls.....lb. .65 - .70
Lobeline sulphate, bots., wks..oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l.....lb. .15 - —
solid, No. 1, bgs., l.c.l.....lb. .28 - —
No. 2, bxs., l.c.l.....lb. .26 - —
No. 3, bxs., l.c.l.....lb. .25½- —
No. 4, bxs., l.c.l.....lb. .23 - —
No. 5, bxs., l.c.l.....lb. .21½- —
No. 6, bxs., l.c.l.....lb. .39½- .44½

Lovage, American (ligusticum actae folium), root, bls..lb. 1.20 - 1.50
Lupulin, NF, 1944 crop, tin..lb.12.75 -13.00
Lycopodium, USP, cs.....lb. 1.25 - 1.50

M

Mace,[1,7] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1.....lb. .07¼- —
bbls., c.l., Zone 1.....lb. .07½- —
l.c.l., Zone 1.....lb. .08½- —
kgs., c.l., Zone 1.....lb. .08¾- —
l.c.l., Zone 1.....lb. .09¾- —
USP, bgs., c.l., Zone 1....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08½- —
l.c.l., Zone 1.....lb. .09½- —
kgs., c.l., Zone 1.....lb. .09¾- —
l.c.l., Zone 1.....lb. .10¾- —

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower, Zone 2, store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Chloride, anhyd., bbls., dlvd.lb. .12¾- —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .20 - .21
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, ctns.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton.58.75 - —
dead-burnt,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, futures, bls.....lb. 1.30 - 1.35
Leaves, bls.....lb. .43 - .44
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .23 - .25
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works, ton.74.00 - —
smaller lots, works.ton.77.00 -82.00
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works.ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate,[6] 6% Mn, dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., same basis, or Balto. or Cincinnati... ton.68.50 - —
industrial grade, 80%, bgs..lb. .05 - .05¾
Tallate, 4% Mn, dms.....lb. .09 - —
Mangrove bark,[1,5] E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton.67.50 - —
Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .35 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .34 - .35
Chilean, bls.....lb. .14 - .14½
Matico leaves, bls.....lb. .22 - .29
Menadione, USP, bots.....gram. .10 - —
Menthol, natural, USP, cns...lb. 4.00 - 4.25
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 4.25 - 4.90
Menthyl salicylate, dms.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.88 - 1.90
Mercury bichromate[2] (see Corrosive sublimate).
Bisulphate,[2] dms.....lb. 2.59 - 2.61
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 3.86 - —
Iodide,[2] red, NF, dms., kgs..lb. 4.30 - —
yellow, fib. dms., kgs.....lb. 4.38 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk,[2] dms. .lb. 1.68 - 1.70
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in., pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,8,9] natural, all grades, dms., c.l., E. of Miss. R., gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol W. of Miss. R., 3c. higher.

"BY MAINTAINING THE DISTINGUISHED RECORD WHICH PREVIOUSLY BROUGHT YOU DISTINCTION YOU ARE ONCE AGAIN PROVING YOUR LEADERSHIP ON THE PRODUCTION FRONT"

Robert P. Patterson
Under Secretary of War

ARMY E NAVY

The men and women of Berk are proud to have won another star. It's gratifying to know the Armed Forces feel we're doing our bit.

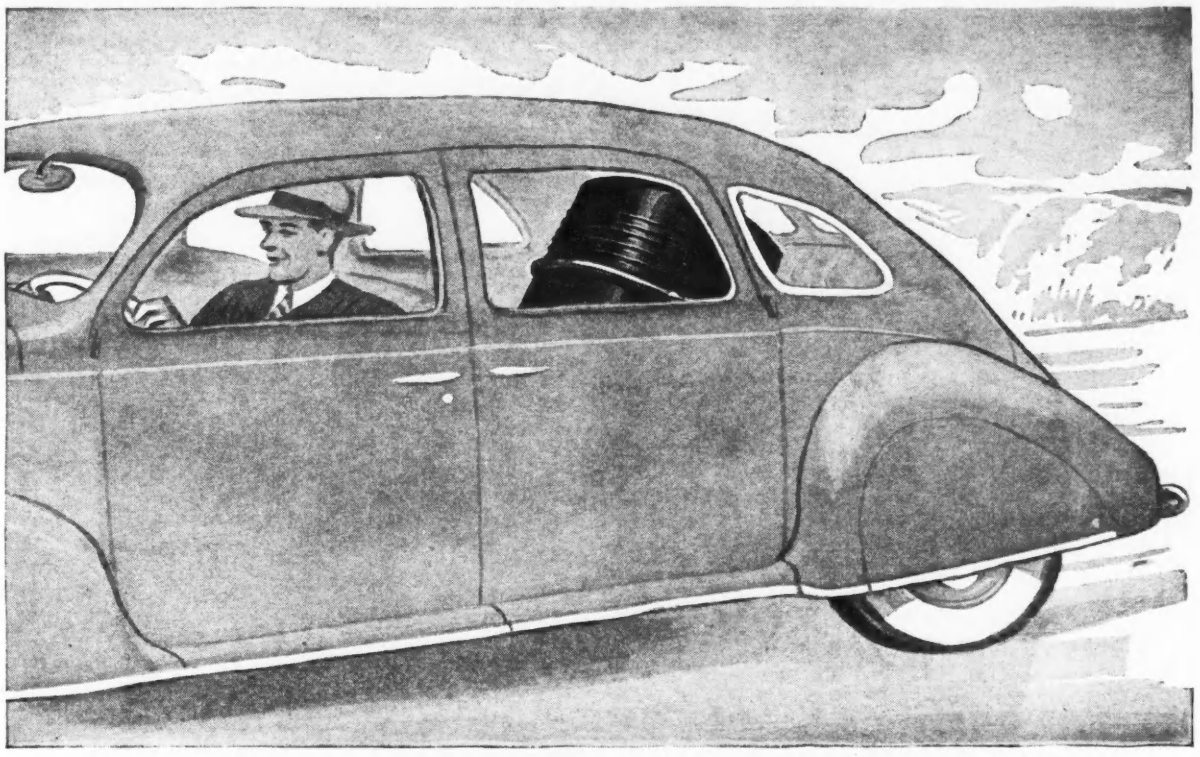
For more than seventy-five years, Berk has served industry in peace and war by furnishing the finest products in our field and the best of technical collaboration.

We are anticipating keenly the postwar period when we shall supply old and new customers with the proved merchandise of today and the intriguing merchandise of tomorrow.

ask Berk for

- PRIME VIRGIN MERCURY[1]
- REDISTILLED MERCURY
- CORROSIVE SUBLIMATE
- WILSON'S MIXTURE BLUE
- MERCURY OXIDES (Yellow and Red)
- MERCURIC IODIDE RED
- MERCURIC NITRATE
- PHENYL MERCURY COMPOUNDS
- WHITE PRECIPITATE
- MERCURY CYANIDE
- CALOMEL

F. W. BERK & CO., INC.
WOOD-RIDGE, NEW JERSEY • NEW YORK • SAN FRANCISCO



Here's a drum that doesn't need Tri-Sure Closures

IF it were practical for drums to ride in comfort — safely ensconced from rain, snow and dust, never exposed to prying hands, and never given the rough handling that causes leakage — Tri-Sure Closures would never have been invented.

But it is the lot of every drum to lead a hard life — to travel long distances in all kinds of weather, and to be left "on its own" in open storage. And the longer the periods of exposure in the open, and the tougher the conditions of transit, the more essential it is to safeguard a drum from seepage, leakage and pilferage with Tri-Sure Closures. These closures give drums the *triple* protection of a *seal*, *plug* and *flange* that interlock in a perfect hermetic connection that defies every hazard a drum can encounter. The seal is absolutely air-tight and leakage-proof—and it cannot be removed unless it is deliberately destroyed. The plug is always held rigidly in place, and is hermetically sealed with a gasket. The flange is an immovable, integral part of the drumhead.

A Tri-Sure Closure on a drumhead is a guarantee that the contents will be delivered in exactly the same *quantity* and *quality* which left the filling platform. Get this guarantee with every drum — be sure every shipment is a safe shipment — by specifying "Tri-Sure fitted drums" for all liquid products.

Tri-Sure
Reg. U.S. Pat. Off.
CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Methanol, synthetic, dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd..gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .0750- —
l.c.l., dlvd.....lb. .0875- .0975
smaller cont., dlvd.....lb. .1475- —
hydrogenated, non-ret, dms., c.l., dlvd..lb. .1150- —
10 dms.....lb. .1275- —
single dm.....lb. .1375- —
less than 1 dm.....lb. .1875- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
Methyl acetate, c.p., 97-99%, dms., l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms. incl., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.
Group B, dms, c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Methyl acetone, synthetic, dms., c.l., Zone 1..gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .42 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, bots, 100-lb. lots. lb. 2.20 - 2.50
25-lb. lots.....lb. 2.35 - 2.65
Benzoate,[6] cns.....lb. .55 - 1.00
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
Methyl chloride, refrig., cyl., 50 to 400 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.

Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. .30 - .33
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs.100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. No stocks
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .22½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.45.00 - —
l.c.l., works.....ton.48.50 - —
roofing, 20 mesh, bgs., c.l., works..ton.30.00 -32.50
l.c.l., works.....ton.35.50 -37.50
30-31 mesh, bgs., c.l., works. ton.30.00 -32.50
l.c.l, works.....ton.35.00 -37.50
40-45 mesh, bgs., c.l., works. ton.30.00 -32.50
l.c.l., works.....ton.35.00 -37.50
80 mesh, bgs., c.l., works. ton.37.50 -40.00
l.c.l., works.....ton.41.50 -43.00
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —
extra fine, bgs., c.l., works, works, frt. alld. E..lb. .04 - —
l.c.l., ex whse. or frt. alld. E..lb. .04½- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05 - —
l.c.l., ex whse. or frt. alld. E..lb. .05½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05 - —
l.c.l., ex whse. or frt. alld. E..lb .05½- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.
Milk powder,[1,7] skimmed, roller, bulk, Zone A, bbls..lb. .14 - .14½
Zone B.....lb. .13½- .14
spray, bulk, Zone A.....lb. .14½- —
Zone B.....lb. .14¼- —
whole, roller, bbls.....lb. .29 - .32
spray, bbls.....lb. .30 - .34½

Skimmed milk powder zones are:—B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I., and Vt.; A, all other States.

Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,8] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molydbate orange (see Orange, molybdate).
Molybdenum metal,[1,9] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[5] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%, lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .30 - —
l.c.l., works, basis 100%..lb. .35 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....ob. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - ..
smaller containers, works...lb. .75 - —

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"High Nitrogen" Casein★—a specially prepared casein particularly free from non-protein impurities. In 76-lb. multi-wall bags. F.o.b. Norwich, N. Y. (Gross for Net.)

"De Vitaminized" Casein★—an edible protein of high nutritional value and balance, minimum vitamin content. In 75-lb. multi-wall bags. Freight allowed in continental U. S. A.

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25 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketones, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more.. lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Muskroot, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs.. lb. .12 - .12½
yellow, bgs.....lb. .18 Nom.
Montana, brown, bgs.....lb. .08 - .08½
oriental, bgs.....lb. .06¾- .07
yellow, bgs., ship't point..lb. .15 - .15½
Washington, yellow, bgs.....lb. .14½- .15
Myrobalans,[1] whole, J1, U. S. ports, ex dock..ton.54.00 - —
J2, same basis.....ton.47.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[2] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis..lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nephenlinesyenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is priced $2 per ton higher than bulk.
Neroline, crys., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6,8] carbonate, bbls.....lb. .36 - .36¼
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,8] black, bbls.....lb. .35 - .38
Salt,[6,8] bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide,[6] USP, dms....kilo.13.25 13.55
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble,[4] ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble,[4] ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut.,[6] tanks....ton N.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis.
Nitrogenous process tankage,[1,7] Hopewell, Va., bulk, works, unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works...lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[5] Aleppo, bgs.....lb. No stocks
Chinese, bgs.....lb. No stocks
Nutmegs,[1,7] West Indian, No. 1, futures..lb. .34¼- .34¾
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13½- .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial, grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.C., bots.....lb. 5.25 - 5.50
USP, bots.....lb. No prices
Sweet, exp., dms., cns.....lb. 1.30 - 1.65
Angelica root, bots.....lb.125.00 - 140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. 4.00 - —
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.50 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 4.25
natural, Brazilian, cns.....lb.10.00 -10.25
Italian, cns.....lb.10.00 -11.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. No stocks
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. 2.25 Nom.
redistilled, USP IX, cns....lb. 2.40 Nom.
Calamus, cns.....lb.20.00 -21.00
Camphor, sassafrassy, cns...lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb.10.00 -11.00
rectified, cns.....lb.12.50 -13.50
Capsicum (see Capsicum, oleoresin)
Caraway, NF, cns.....lb.12.75 -13.00
Cardamom, bots.....lb.17.00 -18.00
Cassia, USP, cns.....lb. No stocks
Castor,[1] blown, ret. dms., c.l. lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., cl. lb. .14 - —
l.c.l. .....lb. .14½- —
cns. .....lb. .15¾- .17¾
dms., c.l.....lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehyd., bodied, dms., cl.....lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l.....lb.16.90 - —
tanks .....lb. .1650- —

Oil, castor, No. 3 tech., bbls., c.l..lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms., c.l.....lb. .13¼- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .12¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .09¼- .09¾
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12¾
l.c.l. .....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12¾- .13
l.c.l. .....lb. .13¾- .14
Cedarleaf,[1] USP, cns., dms..lb. 2.60 - —
Cedarwood, dms.....lb. .85 - .90
Celery, bots.....lb.17.00 -18.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.00 -45.00
leaf, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. 1.60 - 1.65
Java, cns.....lb. No stocks
Clove, USP, cns.....lb. 1.65 - 1.80
Coconut,[1,7] crude, Ceylon, bulk, c.i.f. N. Y..lb. .0885- —
Cochin type, bulk, c.i.f. N. Y..lb. .0935- —
Manila, bulk, c.i.f. N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0935
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms...gal. .85 - .88
tanks .....gal. .82 - .83
Codliver, USP, bbls., dms..gal. 2.20 - 3.25
Coriander, bots.....lb.23.50 -35.00
Corn,[1,7] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16½
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03½- —
Cottonseed,[1,7] cooking, l.c.l., ret. dms..lb. .16¼- —
crude, tanks, works.....lb. .12½- .13⅛
Oil, cottonseed, foots, acid, 95%, tanks, dlvd. E..lb. .07⅜- —
raw, 50%, tanks, dlvd. E., lb. .03⅝- —
salad, l.c.l., ret. dms.....lb. .16½- —
Creosote (see C).
Croton, NF, cns.....lb. 4.00 - 4.25
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb.10.00 -10.25
Cypress, bots.....lb. 5.00 -12.00
Degras (see B).
Dillseed, bots.....lb. No stocks
Dillweed, dms.....lb. 4.30 - 4.40
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.15 - 1.20
Fennel, sweet, cns.....lb. 4.50 Nom.
Fir, Canada, cns.....lb. 2.50 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.16.00 -17.00
Bourbon, cns.....lb.16.25 -17.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.14.50 -15.00
Grapefruit, cns.....lb. 2.05 - 2.10
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Oil, guaiacwood, cns.....lb. 3.75 - 4.00
hemlock, cns.....lb. 2.60 - —
Herring,[1] crude, tanks, Pac. coast..lb. .089 - —
Juniper, berry, dom., bots....lb. 9.00 - 9.25
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .90 - 1.00
Lard oil (see Oil, grease)
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 8.00 - —
Lavender flower, French, cns..lb.14.00 -16.00
Russian, cns.....lb. No stocks
spike, Spanish, pure, cns..lb. 3.25 - 3.50
tech., cns.....lb. 2.50 - 2.75
Lemon, USP, Calif., cns.....lb. 3.25 - —
Messina,[1] cns.....lb. 3.25 - —
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass, cns., dms.....lb. 2.50 - 2.60
Lignaloe seed, Mexican, cns..lb. No stocks
wood, Mexican, cns.....lb. 3.75 - 4.00
Brazilian (see Bois de Rose).
Lime, dist., Jamaica, cns..lb. 7.25 - 7.50
Mexican, cns.....lb. 7.00 - 7.50
expressed, Jamaica, cns....lb.12.50 13.50
Linseed,[1,7] raw, dms., c.l...lb. .1550- —
l.c.l. .....lb. .1600- .1660
tanks .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .1400- .1550
tanks .....lb. .1320- .1470
Lubricating,[1] at refinery, extax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .25 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks, gal. .14½- .18

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Oil, lubricating, at refinery, Group 3, neutral, 200-280 vis., No. 3, col., 15-25 pour, tanks..gal. .15 - .17½
Pa., bright stock, 140-150 vis., No. 8 color, 10-25 pour, tanks..gal. .24 - .30½
cylinder oils, 600-630 flash, tanks..gal. .15 - .17
600-650, steam refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .27 - .31
200 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.50 - 5.00
Mandarin, Brazilian, cns....lb. 8.75 - 9.00
Menhaden,[1,7] crude, tanks, Balto..lb. .0890- —
refined, alkali, dms., c.l...lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.60 - 1.70
Seed,[7] exp., dms.. extra...lb. .14¾- —
Neatsfoot,[1] 15°, bbls., c.l..gal. 1.85 - 1.90
20°, bbls., c.l.....gal. 1.80 - —
30°, bbls., c.l.....gal. 1.60 - 1.65
pure, bbls., c.l.....lb. .15½- .16
Neroli, bots.....lb.200.00 -325.00
Nutmeg, dist., cns., dms....lb. 4.50 - 5.00
Officica,[1] liquid, dms., c.l...lb. .24 - —
dms., l.c.l.....lb. .24½- .25
Oleo,[1,7] extra, dms., Chicago.lb .1304- —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-½% f.f.a., dms., extra, works..gal. 4.30 - 4.80
imported, dms.....gal. No stocks
foots, dms.....lb. No stocks
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks

Oil, olive, sulphonated, 50% (68% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
85% (68% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - —
expressed, USP, Brazilian, cns..lb. 1.40 - 1.50
Calif., cns.....lb. 1.75 - 2.00
Florida, cns., dms.....lb. 1.50 - 1.60
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. No stocks
sequiterpeneless, bots.....lb.100.00 -112.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,7] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. 5.50 - 5.75
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0835 Nom.
Paraffin,[1,4] 300° flash, 100-110 vis., tanks, G.3..gal. .08¾- .08½
320° flash, 60-70 vis., tanks, G.3..gal. .08 - —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.3..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y..gal. .09½- —
100-110 vis., 0/10 pour, same basis..gal. .08½- .15
10/25 pour, same basis..gal. .08¼- .09⅝
Patchouli, cns.....lb.20.00 Nom.
Peanut,[1,7] bleached, deod., tanks, dlvd. E..lb. .1501- —
crude, tanks, works.....lb. .12⅞- .13⅜
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1573- .1575
Pennyroyal, dms., cns.....lb. No prices
import, cns.....lb. 3.65 - 4.10
Peppermint,[1] natural, dms..lb. 6.75 - 7.00
redist., USP, dms.....lb. 7.10 - 7.35
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms., lb. 1.85 - 2.25

Oil, pimento, berry, dms.....lb. 6.25 - 8.00
leaf, cns.....lb. 4.00 - 4.25
Pine,[1] ret. dms., c.l., dlvd. E., gal. .63 - .63½
l.c.l., dlvd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.10 - 3.25
Putty,[2] bbls., E. Segundo, Richmont, Cal..gal. .22½- —
contracts .....gal. .19½- —
dms., c.l., Whiting, Ind..gal. *.34 - —
Boston, Providence....gal. .35 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,7] bulk, New Orleans, lb. .1166½- —
Red,[1] ret. bbls., c.l., dms., dlvd. E. of Rockies...lb. .13¼- —
W. of Rockies.....lb. .14¼- —
Texas and Okla.....lb. .13⅝- —
tanks, dlvd. E. of Rockies.. lb. .12½- —
W. of Rockies.....lb. .13½- —
Texas and Okla.....lb. .13 - —
double distilled, ret. dms., c.l., dlvd. E. of Rockies..lb. .15⅞- —
W. of Rockies.....lb. .16⅜- —
Texas and Okla.....lb. .16⅜- —
special non-ret. dms., bbls., c.l., dlvd. E. of Rockies. lb. .16⅜- —
W. of Rockies.....lb. .17⅛- —
Texas and Okla.....lb. .17½- —

Red oil prices for ton lots are ½ cent per pound higher, and 1 cent higher for less than ton lots.

Oil, rose, natural, coppers.....oz. No stocks
Rosemary, Spanish, cns., dms.. lb. 1.25 - 1.60
Rosin, 1st rectified, dms...gal. .66 - —
2nd rectified, dms.....gal. .68 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 5.00 - 5.25
Sage, Spanish, cns.....lb. 2.75 - 3.00
Sandalwood, NF, cns.....lb. 6.75 - —
Mysore, cns., case lots...lb. 7.00 - 7.25
Sardine, crude,[1,7] tanks, Pac. coast..lb. .089 - —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Sassafras, artif., cns.....lb. .71 - 1.00
natural, cns., dms.....lb. 1.85 - 1.90
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .23 - .29
tanks, works.....gal. .15 - .18
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. .1296- .1385
tanks .....lb. .1250- —
crude, tanks, Decatur.....lb. .1175- —
deod., Winter, tanks.....lb. .1398- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07½- —
raw, 50%, tanks, dlvd. E.lb. .05¼- —
refd., varnish, dms.....lb. .1380- .1400
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 - —
Sperm, bleached, 38°, dms...lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.65 - 3.34
Sunflower,[6] imp., refined, tanks, lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75
Tall,[1] crude, dms., c.l., works, ton.53.65 -55.00
l.c.l., works.....ton.58.65 - 63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow, acidless, bbls.....lb. .14¼- —
tanks .....lb. .13⅜- —
Tansy, cns.....lb. 4.50 Nom.
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.35 - 2.50
white, cns.....lb. 2.65 - 3.25
Tung,[1,7] dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .40 - .41
tanks .....lb. .38⅝- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .25 - —
Vetiver, Bourbon, bots.....lb.30.00 -32.00
Whale,[5] ref., natural, dms..lb. .1187 Nom.
Winter bleached, dms....lb. .1232 Nom.
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50-65 vis., dms., c.l..gal. .31 - —
l.c.l. .....gal. .34 - .35
65-75 vis., dms., c.l....gal. .32 - —
l.c.l. .....gal. .35 - .39
USP, 80/90 vis., dms., extra, c.l..gal. .34 - —
l.c.l. .....gal. .37 - .41
95/105 vis., dms., c.l....gal. .36 - —
l.c.l. .....gal. .39 - .43
125/135 vis., dms., c.l...gal. .40 - —
l.c.l. .....gal. .43 - .47
145/155 vis., dms., c.l...gal. .42 - —
l.c.l. .....gal. .45 - .49
175/185 vis., dms., c.l...gal. .44 - —
l.c.l. .....gal. .47 - .51
200/210 vis., dms., c.l...gal. .47 - —
l.c.l. .....gal. .50 - .54
320/330 vis., dms., c.l...gal. .51 - —
l.c.l. .....gal. .54 - .58
335/345 vis., dms., c.l...gal. .51 - —
l.c.l. .....gal. .54 - .58
55, 70 and 85 vis., ret. dms., 65 dms., San Francisco, gal. .40 - —
smaller lots, same basis, gal. .42 - .45
100 vis., 65 dms., San Francisco..gal. .49½- —
smaller lots, same basis, gal. .51½- .54½
145 vis., 65 dms., San Francisco..gal. .57 - —
smaller lots, same basis, gal. .59 - .62
180 vis., 65 dms., San Francisco..gal. .60½- —
smaller lots, same basis, gal. .62½- .65½
340 vis., 65 dms., San Francisco..gal. .72 - —
smaller lots, same basis, gal. .74 - .77
Wintergreen, natural, North, cns..lb. 6.50 - 8.50
South, cns.....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed,[1] cns.....lb. 5.00 - 5.15
Wormwood, cns.....lb. 4.85 - 5.50
Ylang-ylang, Bourbon, bots..lb.10.00 -10.50
Oleostearin,[1,7] dms., Chicago..lb. .1061- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works, ton. 7.00 - —
spalls, paper bgs., c.l., works, ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots, lb.13.00 - —
25-lb. lots.....lb.13.25 - —
smaller lots.....lb.13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, cadmium selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroanilin, toner[1].....lb. 1.05 - —
Molybdate,[1,8] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] bbls., kgs., works..lb. .80 - 1.05
Persian[1] bbls.....lb. .30 - .45
Orange mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo..lb. .12½- —
other points.....lb. .12 - —
smaller lots, Ala., etc..lb. .12¾- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs., lb. .13¾- .14
sweet, bls.....lb. .14 - .14¼

★ FLORANOL

A single chemical used in compounding Rose Odors. Blends with or replaces Phenyl Ethyl Alcohol.

Samples on Request.

★ CYCLAMAL

The Accepted Basis for Floral Perfumes

(Lily of the Valley, Lilac, etc.)

A single chemical having properties most desired by perfumers.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.) Result: Economy.

PERSISTENT IN ODOR — FREEDOM FROM DISCOLORATION
FREEDOM FROM IRRITATION — CYCLAMAL IS OF 100% PURITY
Manufactured in the U.S.A.

★ AMERICAN DISTILLED OILS

bring you the

Fragrance of the Pine Forest

PURE OILS DISTILLED ESPECIALLY FOR US

Exceptionally Fine Quality

Oil of Spruce — **Oil of Balsam Fir American**
Oil of Cedar Leaf American Pure — **Oil of Pine Needles American**

They come to you as they come from the still in the state of absolute purity. Samples will convince you of the added value to be had from these Pure Quality Oils.

★ ALDEHYDES

ALDEHYDE C-8 — ALDEHYDE C-10 — ALDEHYDE 12-M
ALDEHYDE C-16 — ALDEHYDE C-18

Requests for samples on your firm's letterhead will be promptly answered.

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON STREET, CHICAGO 6 — 1019 ELLIOTT STREET, W. WINDSOR, ONT.

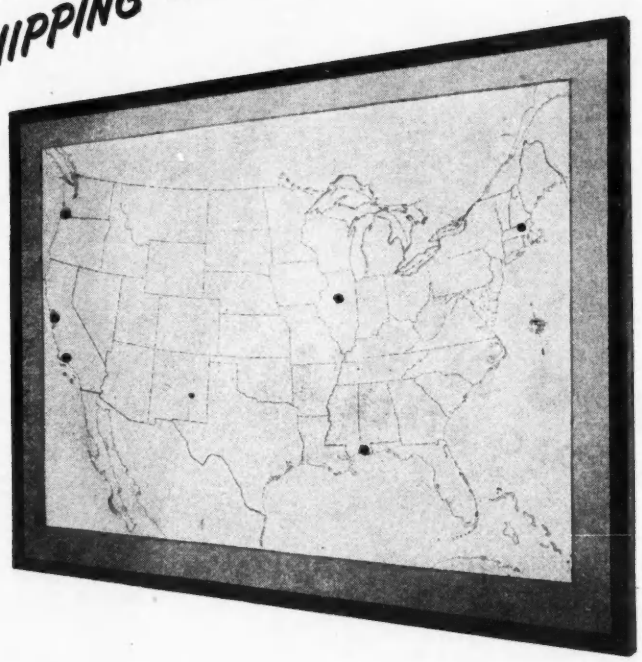
Oregano, Mexican, curly leaf, bgs.	lb.	.08½-	.09
flat leaf, bgs.	lb.	.06¾-	.09¾
Orris root, African, bls.	lb.	.85 -	
powd., bbls., bxs.	lb.	.90 -	.95
Portuguese, bls.	lb.	.65 -	.70
Verona, bls.	lb.	No stocks	
Orthoamylphenol, dms., works.	lb.	.25 -	
Orthoanisidin, bbls.	lb.	.70 -	
Orthochloroanilin, dms.	lb.	.60 -	.70
Orthochlorophenol, dms.	lb.	.25 -	.27
Orthocresol,[2,6] 30.4° C. min., M.P., dms., c.l., works.	lb.	.17½-	.18
l.c.l., works.	lb.	.18 -	.18½
29.0° C. min., M.P., dms., c.l., works.	lb.	.16½-	.17
l.c.l., works.	lb.	.17 -	.17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies,	lb.	.07 -	
l.c.l., same basis.	lb.	.08 -	
tanks, same basis.	lb.	.06½-	
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.			
Orthonitroanilin, dms.	lb.	.43 -	.55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works.	lb.	.10 -	
l.c.l., works.	lb.	.11 -	
grade B, dms., c.l., works.	lb.	.05 -	
l.c.l., works.	lb.	.07 -	
Orthonitrochlorobenzene, dms.	lb.	.15 -	.18
Orthonitroparachlorophenol, cns.,	lb.	.75 -	
Orthonitrotoluene, dms.	lb.	.09 -	
Orthophenetidin, dms.	lb.	.82 -	
Orthotoluidin, dms.	lb.	.19 -	
Osage orange crystals, bbls.	lb.	.23 -	
Extract, No. 1, bbls.	lb.	.11 -	
No. 2, bbls.	lb.	.10 -	
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	3.50 -	
smaller lots, works.	lb.	3.75 -	4.15

P

Papain, powd., cs.	lb.	3.25 -	3.50
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots.	oz.	7.00 -	
smaller lots.	oz.	7.05 -	7.35
Sulphate, cns.	oz.	7.10 -	7.35
Paprika,[1] Calif., sweet Caliente, ground, bgs.	lb.	.40 -	.41
Chilean, bgs.	lb.	30½-	.31
Portuguese, bxs.	lb.	.38 -	.43½
Spanish, bgs.	lb.	.45 -	.46½
Para-anisidin, dms., works.	lb.	.75 -	
Parachlorophenol, dms., wks.	lb.	.26½-	.28
Parachlorophenol, dms., c.l., wks.	lb.	.24 -	
l.c.l., same basis.	lb.	.25 -	.27
Paracymene, dms., c.l., works.	lb.	.1595-	
l.c.l., same basis.	lb.	.1645-	
tanks, same basis.	lb.	.1545-	
Paradichlorobenzene,[4] dms., c.l., works.	lb.	.11 -	.12
l.c.l., same basis.	lb.	.12½-	.15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery.	lb.	.04¼-	
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery.	lb.	.05 -	
120-122 ASTM, refinery.	lb.	.0520-	
122-124 ASTM, refinery.	lb.	.0520-	
125-127 ASTM, refinery.	lb.	.0560-	
127-129 ASTM, refinery.	lb.	.0585-	
128-130 ASTM, refinery.	lb.	.0585-	
130-132 ASTM, refinery.	lb.	.0615-	
132-134 ASTM, refinery.	lb.	.0640-	
135-137 ASTM, refinery.	lb.	.0715-	
140-142 ASTM, refinery.	lb.	.0810-	
146-148 ASTM, refinery.	lb.	.1050-	
Prices in bags 4/10c. per lb. higher			
Paraformaldehyde, dms., 1,000 lbs. or more, works.	lb.	.21 -	
smaller lots, works.	lb.	.22 -	
Paraldehyde, tech., 95%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.12 -	
10-gal. dms., works.	lb.	.15 -	
USP, cbys., cns.	lb.	.35 -	.45
Paranitroanilin, kgs., works.	lb.	.43 -	.45
Paranitrochlorobenzene, kgs., wks.	lb.	.15 -	
Paranitrophenol, kgs.	lb.	.35 -	
Paranitrotoluene, kgs., works.	lb.	.30 -	
Paraphenylenediamine, tech., kgs.	lb.	2.00 -	
Paratoluenesulphonamide, bbls.	lb.	.70 -	
Paratoluidin, bbls., works.	lb.	.48 -	
Paris green,[3] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.20 -	.27
l.c.l., same basis.	lb.	.22 -	.28
Passion flower herb, bls.	lb.	.23 -	.24
Patchouli leaves, bls.	lb.	.34 -	.35
Pectin, bbls.	lb.	1.25 -	
Penicillin, ampules, per 100,000 units.		.50 -	.95
Pennyroyal leaves, bls.	lb.	.16 -	.18
Pentachlorophenol, dms., works.	lb.	.20 -	.25
Pentaerythritol, CP, bbls., dlvd.	lb.	.75 -	
smaller containers.	lb.	1.00 -	
tech., bbls., c.l.	lb.	.27 -	
l.c.l.	lb.	.31 -	
Pentane, 28°-38° C, industrial grade, dms., c.l., Group 3.	gal.	.11 -	
l.c.l., dms., Group 3.	gal.	.19 -	
industrial grade, tanks, Group 3.	gal.	.07¼-	.07½
laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55 -	
dms., c.l., Group 3.	gal.	.16 -	
l.c.l., Group 3.	gal.	.29 -	
Pepper, black,[1,7] 15 tons, bgs.	lb.	.10 -	
50 to 100 bgs.	lb.	.1050-	
4 to 24 bgs.	lb.	.1100-	
Red, capsicum, Carolina, longs, new crop, bgs., ship't point.	lb.	.32 -	.32½
sports, old crop, bgs.	lb.	.46	Nom.
Louisiana, sports, bgs.	lb.	No stocks	
longs, new crop, bgs., ship't point.	lb.	.31 -	.32
Chillies, bgs.	lb.	.22½-	.46
White,[1,7] bgs., 15 tons.	lb.	.1161	Nom.
24 bgs.	lb.	.1295	Nom.
Peppermint, dom., USP, bls.	lb.	.70 -	.75
imported, bls.	lb.	.90	Nom.
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0782-	.0800
Zone 2, same basis.	lb.	.0832-	.0850
Zone 3, same basis.	lb.	.0882-	.0900
Zone 4, same basis.	lb.	.0876-	.0900
l.c.l., Zone 1, same basis.	lb.	.0832-	.0850
Zone 2, same basis.	lb.	.0882-	.0900
Zone 3, same basis.	lb.	.0932-	.0950
Zone 4, same basis.	lb.	.0926-	.0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.			
Peru balsam, dms.	lb.	1.25 -	1.30
Petrolatum, tech., dark, bbls., Group 3, c.l.	lb.	.021 -	
golden topaz, bbls., c.l.	lb.	.032 -	
l.c.l.	lb.	.036 -	
red, veterinarian, bbls., c.l.	lb.	.024 -	
l.c.l.	lb.	.028 -	
Petrolatum, USP, amber, dms., c.l.	lb.	.03½-	
l.c.l.	lb.	.04½-	
extra amber, dms., c.l.	lb.	.03½-	
l.c.l.	lb.	.04½-	
cream, c.l., dms.	lb.	.04¾-	
l.c.l.	lb.	.05¼-	
yellow, soft, dms., c.l.	lb.	.03¼-	
l.c.l.	lb.	.04¼-	
white, lily, dms., c.l.	lb.	.05½-	
l.c.l.	lb.	.07 -	
snow, dms., c.l.	lb.	.06¾-	
l.c.l.	lb.	.07¾-	
soft, dms., c.l.	lb.	.05½-	
l.c.l.	lb.	.06¼-	
Petroleum, crude, bulk, at wells, California, heavy grades,	bbl.	.93 -	1.01
Illinois	bbl.	1.37 -	
Kentucky, Union County,	bbl.	1.32 -	1.37
Louisiana-Arkansas.	bbl.	.85 -	1.20
Oklahoma-Kansas	bbl.	.85 -	1.25
Pennsylvania	bbl.	1.31 -	3.00
Texas, Gulf coast.	bbl.	1.06 -	1.86
North, North - Central.	bbl.	1.01 -	1.25
Panhandle	bbl.	1.10 -	1.22
West	bbl.	.70 -	1.72
Wyoming	bbl.	1.12 -	
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd., E.	gal.	.55 -	
30°-60°C., dms., c.l., Group 3.	gal.	.16 -	
l.c.l., Group 3.	gal.	.29 -	
35°-60° C, 10-gal., cns., dlvd., E.	gal.	.55 -	
dms., c.l., Group 3.	gal.	.16 -	
l.c.l., Group 3.	gal.	.29 -	
40°-75° C, 10-gal., cns., dlvd., E.	gal.	.55 -	
dms., c.l., Group 3.	gal.	.16 -	
l.c.l., Group 3.	gal.	.29 -	
Petroleum, fuel oil, furnace, tanks, at refinery, Arkansas, No. 1.	gal.	.04 -	
Nos. 2 and 3.	gal.	.03½-	
Bayonne, No. 2, tanks.	gal.	.052 -	
California, heavy.	bbl.	1.10 -	
light	bbl.	1.20 -	
diesel	gal.	.04 -	
stove dist.	gal.	.05 -	
Group 3, No. 3.	gal.	.03½-	
No. 5.	bbl.	.85 -	
No. 6.	bbl.	.80 -	.85
Kansas, No. 3.	bbl.	.85 -	.90
Oklahoma, No. 2.	gal.	.03¾-	
No. 6.	bbl.	.90 -	
No. 14-16.	bbl.	.97 -	
Pennsylvania, No. 1.	gal.	.07 -	.07¾
No. 2.	gal.	.07 -	.0805
No. 3.	gal.	.06¾-	.07¾
36-40 gravity.	gal.	.07 -	07¾
bunker C, tanks, Albany, N.Y.	bbl.	1.75 -	
Baltimore, Md.	bbl.	1.55 -	
Boston, Mass.	bbl.	1.595 -	
Charleston, S. C.	bbl.	1.45 -	
Jacksonville, Fla.	bbl.	1.43 -	
New Haven, Conn.	bbl.	1.37 -	
New York, N. Y.	bbl.	1.55 -	
Norfolk, Va.	bbl.	1.515 -	
Philadelphia, Pa.	bbl.	1.55 -	
Portland, Me.	bbl.	1.60 -	
Portsmouth, N. H.	bbl.	1.60 -	
Port Tampa, Fla.	bbl.	1.32 -	
Providence, R. I.	bbl.	1.55 -	
Savannah, Ga.	bbl.	1.445 -	
Wilmington, N. C.	bbl.	1.47 -	
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11 -	
Fort Wells, Wash.	gal.	.12 -	
San Francisco.	gal.	.11½-	
Willbridge, Ore.	gal.	.12 -	
Petroleum, lacquer, diluent, East coast, N. J., N. Y., tanks, refinery.	gal.	.11½-	
Group 3, benzol type, tanks,	gal.	.07¾-	
toluol type, tanks.	gal.	.07¾-	
Mineral spirits, California, San Francisco, 163-252 b.r., tanks,	gal.	.10¼-	
198-200 b.r., tanks.	gal.	.10¼-	
312-408 b.r., tanks.	gal.	.09 -	
246-397 b.r., tanks.	gal.	.10¼-	
362-458 b.r., tanks.	gal.	.09 -	
East coast, N. J., N. Y., tanks, refinery.	gal.	.10 -	
Group 3, tanks, refinery.	gal.	.06¼-	
tankwagon, Baltimore.	gal.	.135 -	
Boston	gal.	.12 -	
Bridgeport, Conn.	gal.	.1430-	
Buffalo	gal.	.1240-	
Camden, N. J.	gal.	.11 -	
Chicago	gal.	.1150-	
Detroit	gal.	.1380-	
Hartford	gal.	.1430-	
Kansas City, Mo.	gal.	.1280-	
Lancaster, Pa.	gal.	.12 -	
Milwaukee	gal.	.1240-	
Minneapolis	gal.	.1220-	
Newark	gal.	.11 -	
New York	gal.	.11 -	
Philadelphia	gal.	.11 -	
Pittsburgh	gal.	.125 -	
Providence	gal.	.13 -	
Rochester	gal.	.1320-	
St. Louis	gal.	.1370-	
Syracuse	gal.	.14 -	
Washington, D. C.	gal.	.135 -	
Wilmington, Del.	gal.	.11 -	
Naphtha, cleaners, California, tanks, San Francisco.	gal.	.12 -	
East coast, N. J., N. Y., tanks, refinery.	gal.	.11 -	
Group 3, tanks, refinery,	gal.	.07½-	

"Just look at the locations of those six Bemis Multiwall plants!"

"Yes, that's another reason IT PAYS TO BE A BEMIS MULTIWALL PAPER SHIPPING SACK CUSTOMER!"



The strategic locations of the six Bemis Multiwall plants mean quick service to all sections of the country. • And that's not all . . . working as a team, these plants support each other in filling the needs of Bemis customers. In emergencies, the plant with which an order is placed can depend on five other Bemis plants for assistance in meeting scheduled shipping dates. Such advantages are why folks say: • "It pays to be a Bemis Multiwall Paper Shipping Sack Customer."

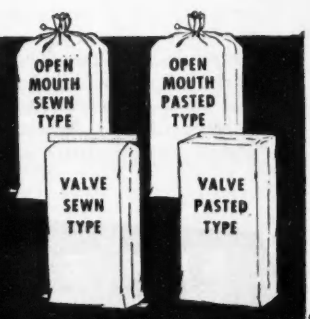
Bemis Multiwall Paper Shipping Sacks

6 PLANTS

Peoria, Ill. · East Pepperell, Mass. · Mobile, Ala. · San Francisco, Calif. · Wilmington, Calif. · St. Helens, Ore.

BEMIS BRO. BAG CO.

OFFICES: Baltimore · Boston · Brooklyn · Buffalo · Charlotte · Chicago · Denver · Detroit · East Pepperell · Houston · Indianapolis · Kansas City · Los Angeles · Louisville · Memphis · Minneapolis · Mobile · New Orleans · New York City · Norfolk · Oklahoma City · Omaha · Orlando · Peoria · St. Helens, Ore. · St. Louis · Salina · Salt Lake City · San Francisco · Seattle · Wichita · Wilmington, Calif.



Petroleum, naphtha, cleaners, tankwagon, Newark	gal.	.12 - —
Bridgeport	gal.	.1730- —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
St. Louis	gal.	.1470- —
high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J.	gal.	.21½- —
No. 2, tanks, over 90% arom., same basis	gal.	.21½- —
No. 3, tanks, same basis	gal.	.22½- —
No. 8, tanks, same basis	gal.	.228 - —
No. 30, tanks, Kingsland, N.J., frt. alld.	gal.	.223 - —
No. 40, tanks, Wilmington, Cal.	gal.	.18½- —
V.M.&P. at refinery, California, 46.5 254 i.p.b., 380 e.p., tanks, El Segundo	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-77, 190 i.b.p., 310 e.p., Los Angeles	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle	gal.	.11 - —
Group 3, tanks	lb.	.07½- —
Gulf Coast (dlvd. New Orleans), tanks	gal.	.06½- —
tankwagon, Boston	gal.	.13 - —
Chicago	gal.	.1360- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1540- —
Minneapolis	gal.	.1520- —
Newark (200 gals.)	gal.	.125 - —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1470- —

Petroleum solvent, rubber, at refinery, California, San Francisco	gal.	.25½- —
East Coast, N. J., N. Y., tanks	gal.	.11 - —
Group 3, tanks	gal.	.07¼- .07½
Stoddard (CS 8-33), at refinery:— California (f.o.b. San Francisco), tanks	gal.	.11 - —
East Coast, N. J., N. Y. tanks	gal.	.10 - —
Group 3, tanks	gal.	.06⅝- —
Pennsylvania, western, tanks	gal.	.07¼- .07½
tankwagon, Baltimore	gal.	.13 - —
Boston	gal.	.12 - —
Chicago	gal.	.13½- —
Detroit	gal.	.1580- —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
toluol, tanks, dlvd. E	gal.	.27 - —
xylol, tanks, dlvd. E	gal.	.26 - —
Sulphonates,[6] 63% sulphonic content, ret. dms., c.l., works	lb.	.09¾- —
l.c.l., works	lb.	.09¾- .10⅜
tanks, works	lb.	.09¼- —
50% sulphonic content, ret. dms., c.l., works	lb.	.09¾- —
l.c.l., works	lb.	.09¾- .10⅜
tanks, works	lb.	.09¼- —
Phenobarbital, cns	lb.	3.60 - 3.70
dms., 100 lbs.	lb.	3.50 - —
Phenol,[3,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.	lb.	.10 - —
l.c.l., same basis	lb.	.10¾- —
tanks, same basis	lb.	.09 - —

Phenol, 82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.09¾- .10¼
l.c.l., same basis	lb.	.10½- —
tanks, same basis	lb.	.08¾- .09¼
USP, dms., c.l., same basis	lb.	.10½- —
l.c.l., same basis	lb.	.11¼- —
tanks, same basis	lb.	.09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85 - —
smaller lots	lb.	.87 - .92
Yellow, fib. dms., 2,000 lbs.	lb.	.80 - —
smaller lots	lb.	.82 - .87
Phenothiazin, NF, fib. dms., 2,000 lbs.	lb.	.49 - —
smaller lots	lb.	.54 - —
Phenylacetaldehyde, solut., 50%, bots.	lb.	2.45 - 3.00
100%, bots.	lb.	4.40 - 5.00
Phenylethyl acetate, dms.	lb.	4.00 - 4.25
Phenylethylphenyl acetate, bots.,	lb.	5.50 - 7.90
Phenylhydrazin, base, CP, bots.	lb.	4.55 - —
Hydrochloride, CP, bots., works,	lb.	7.10 - —
commercial, kgs., works	lb.	1.75 - —
Phloroglucinol, CP, fib. dms.	lb.	13.75 -14.75
tech., fib. dms.	lb.	12.00 -12.50
Phosgene, ton lots, works	lb.	.19 - —
Phosphate, defluorinated (see under D).		
Phosphate rock,[1,3] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-68% b.p.l., bulk, car at mine, c.l.	long ton.	2.20 - —
70%-68%, same basis	long ton.	2.60 - —
72%-70% b.p.l., same basis	long ton.	3.20 - —
75%-74% b.p.l., same basis	long ton.	4.20 - —
77%-76% b.p.l., same basis	long ton.	5.20 - —
entirely pebble, 50c. per ton higher than above prices.		

Phosphate rock, Fla., finely ground, 65.5% b.p.l., 30% P_2O_5 minimum	short ton.	3.15 - —
68%, basis 31% P_2O_5 minimum	short ton.	3.35 - —
70%, basis 32% P_2O_5 minimum	short ton.	3.70 - —
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% i. & a., same basis	long ton.	5.10 - —
72%-70% b.p.l., 5½% i. & a., same basis	long ton.	5.60 - —
refinery, ground, 29% P_2O_5, same basis	long ton.	4.75 - —
30%, P_2O_5, same basis	long ton.	4.95 - —
31%, P_2O_5, same basis	short ton.	5.05 - —
32%, P_2O_5, same basis	short ton.	5.30 - —
33%, P_2O_5, same basis	short ton.	5.80 - —
Phosphorus, red, amorphous, cs.	lb.	.40 - .44
tins, export	lb.	.35 - —
yellow, cns.	lb.	.23 - .25
dms., c.l.	lb.	.14½- —
Oxychloride,[6] dms., c.l.	lb.	.10½- —
l.c.l., dms.	lb.	.12½- .15
Pentoxide,[6] dms., c.l., wks.	lb.	.11 - .12
l.c.l., works	lb.	.13 - .14
Sesquisulphide,[6] cs.	lb.	.38 - .42
Trichloride,[6] dms., c.l.	lb.	.10½- —
l.c.l.	lb.	.12½- .15
Phthalamide, bbls., works	lb.	.35 - .40
kgs., works	lb.	.45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13 - —
l.c.l., same basis	lb.	.14 - —
Pichi leaves, bgs.	lb.	.07 - .08
Picoline (see Alphapicoline and Betapicoline).		
Picrotoxin, bots.	oz.	8.00 - —
Pilocarpine hydrochloride, USP, bots., vis.	oz.	3.75 - 5.10
Nitrate, bots., vis.	oz.	3.65 - 5.00
Pimento,[1] Jamaica, bgs.	lb.	.22½- .23
Pinetar,[4] retort, dms. incl. c.l., works	gal.	.31 - —
l.c.l., works, dms. incl.	gal.	.32 - —
tanks, dlvd. E.	gal.	.27 - —
Pinkroot, bls.	lb.	1.10 - 1.15
Piperazine hexahydrate, bots.	lb.	16.00 - —
Pitch, burgundy (see B).		
Coaltar,[2] 160° m.p., bbls., c.l., works	ton.	19.00 - —
l.c.l., works	ton.	22.00 - —
Cottonseed, dms., works	lb.	.04 - .06
Hardwood, paper bgs., works	lb.	.03½- —
Linseed, dms.	lb.	.05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, dms.	100 lbs.	6.50 - —
stands, 200 lbs.	stand.	6.00 - —
Soybean, dms., works	lb.	.04 - .06
Plaster of paris (see Gypsum).		
Podophyllin, dms.	lb.	8.75 - 9.00
Pokeroot, bls.	lb.	.15 - .18
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.	lb.	.32 - —
20,000 lbs., frt. alld.	lb.	.33 - —
smaller lots, frt. alld.	lb.	.34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.		
Pomegranate, root bark, bgs.	lb.	.75 - .76
Poppy flowers, bls.	lb.	.60 - .70
Seed, Canadian, bgs.	lb.	No stocks
Domestic, blue, bgs.	lb.	No stocks
Dutch, futures	lb.	.40 - .41
Indian, white, bgs.	lb.	No stocks
South American, bgs.	lb.	.64 - .65
Turkish, bgs.	lb.	No stocks
Potash abietate	lb.	.08 - —
Acetate, USP, bbls., dms.	lb.	.28 - .30
cns.	lb.	.31 - .33
Arsenite,[6] USP, solut., cbys., djns.	lb.	.13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms.	lb.	.19 - .21
Bichromate,[1,6] bgs., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.10¼- .10¾
Potash bichromate in bbls. ½c. higher.		
Bromide, USP, gran., 500-lb. bbls., dms.	lb.	.25 - —
100-lb. kgs.	lb.	.26 - —
Carbonate, cal., bbls., c.l., works	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 83-85%, bbls., c.l., works	lb.	.05½- —
dms., l.c.l., same basis	lb.	.05¾- —
USP, gran., bbls., dms.	lb.	.14 - .20
powd., bbls., dms.	lbs.	.19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works	100 lbs.	9.31 - —
l.c.l., works	100 lbs.	9.68½- —
liquid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.68½- —
tanks works	100 lbs.	8.06 - —
solid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.93½- —
regular, flake, 88-92%, dms., c.l., works	lb.	.07 - —
l.c.l., works	lb.	.07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld.	lb.	.03¼- —
l.c.l., same basis	lb.	.03¼- .03½
tanks, same basis	lb.	.02⅞- —
solid, 88-92%, dms., c.l., works	lb.	.06¼- —
l.c.l.	lb.	.06½- .06¾
Chromate,[6] bgs.	lb.	.24 - .28
Chlorate,[1] cryst., kgs., c.l., works	lb.	.11 - .11¾
l.c.l., works	lb.	.119 - .13
powd., dms., kgs., c.l., works,	lb.	.09¾- —
l.c.l., works	lb.	.119 - .13
export, 1 to 10 tons, kgs., ex whse.	lb.	.16 - .18
Chloride, tech., cryst., 98%, bgs., kgs.	lb.	.08 Nom.
Citrate, USP, gran., bbls., dms.,	lb.	.33½- .35¾
powd., 3c. per lb. higher.		
Cyanide, dms., works	lb.	.55 - —
Fluoride, bbls.	lb.	.34 - .40
Glycerophosphate, 75% sol., cns., cbys.	lb.	1.65 - 1.67
dms., 1,000-lb. lots	lb.	1.50 - —
100-lb. lots	lb.	1.60 - —
Guaiacolsulphonate, NF, dms.	lb.	1.65 - 1.85
Hydroxide, USP, sticks, dms.	lb.	.54 - .56
Hypophosphite, cns.	lb.	.72 - .75
Iodate, bots., 5 lbs.	lb.	3.46 - —
cns., 25 lbs.	lb.	3.35 - —
Iodide, bots., cns.	lb.	1.44 - 1.48
dms.	lb.	1.35 - 1.38
Manure salt,[6] 22% K_2O, Carlsbad, N. M.	unit-ton.	.20 - —
25% K_2O, same basis	unit-ton.	.21 - —
Metabisulphite, gran., bbls.	lb.	.19 - .21
powd., bbls.	lb.	.25 - —
Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports	unit-ton.	.53½- —
granular, 50-52% K_2O	unit-ton.	.58½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

STRONG..
AS A RODEO STEER

LONG LIVED..
LIKE A REDWOOD TREE

STRENGTH . . LONG LIFE . . are essentials in the collapsible tubes you specify. Like a bucking rodeo steer, tough strength is bred into the metal from which SHEFFALLOY Tubes are made. Exclusive methods of melting, mixing and tempering tube metals give you a dependable extra measure of pliable, uniform strength. You can depend upon these tubes, too, to serve until the last final squeeze uses all the contents. Everyone is familiar with the rare endurance of California Redwoods, living on for generations after less hardy neighbors have gone to decay. In a similiar sense, SHEFFALLOY Collapsible Tubes have that extra strength and endurance needed to keep on serving and protecting a product under the severest kind of usage. Make us headquarters for ALL your collapsible tube needs. Write or phone our nearest office, today, for our recommendations on your tube packaging problems and requirements. Samples, ideas, suggestions without obligation.

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3132 S. CANAL STREET, CHICAGO 16 • NEW LONDON, CONN. • W. K. SHEFFIELD, V. P., 500 FIFTH AVENUE, NEW YORK 18
THE WILCO COMPANY, 6800 McKINLEY AVE., LOS ANGELES 1

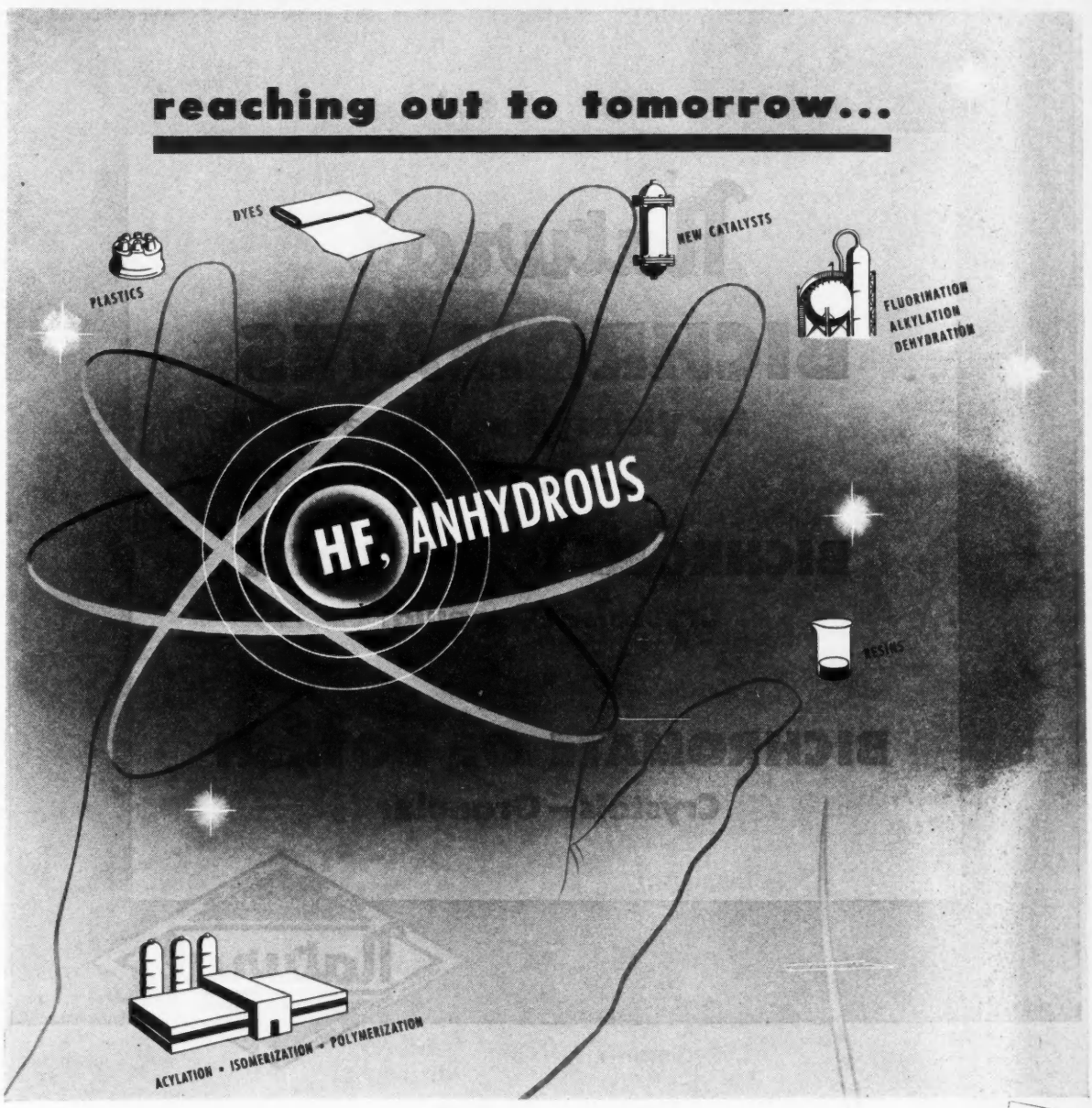
Potash nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾- .11
Permanganate, tech., dms., wks. lb. .19¾- .20¾
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., wks. 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .78
Thiocyanate, bbls.....lb. .62 - .65
kgs. .....lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% goid, bots., works..oz.14.20 -14.96
Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .48
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .23 - .25
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .63 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .66
Pumice, grd., fine, bgs., ton lots, lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. No stocks
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, bbls., works.....lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
Flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis, lb. .45 - .45¼
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis.....ton.11.50 - —
Pyrophyllite in paper bags, $1.50 per ton extra.
Pyroxylin, transparent, c.s., works, lb. .19 - —
black, cs., works.....lb. .17 - —
China, white ivory, cs., works. lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., wks. lb. .14 - —
translucent pastels, cs., works, lb. .17 - —
transparent, cs., works.....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract,[1] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account..lb. .05⅝- .05⅞
clarified, 64%, bgs., c.l., same basis..lb. .06½- .06⅝
dissolved, 35% tan., bbls., works..lb. .04375- .0595
tanks, works.....lb. .04075- —
ground, 70%, bgs., c.l.....lb. .089 - —
l.c.l., bgs.....lb. .0915- —
Queen of the meadow root, bgs. lb. .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18¾- —
Quicksilver, flasks (76 lbs. net). flask.95.00 -100.00
Quince seed, bgs.....lb. 1.50 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs.. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs..oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .89½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydroiodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.. oz. No stocks
Salicylate, NF, cns., 100 ozs.oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80½- —
Sulphocarbolate, cns., 100 ozs.. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs...oz. No stocks
Quinine-urea hydrochloride,[6] USP, cns..oz. No stocks
Quinoline, dms., c.l., works....lb. .24½- .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.60 - 1.65
Red, alizarin lake,[6] bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
cadmium lithopone, deep shade, bbls., E. Rockies.. lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .80 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works, lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Orange (see Orange).
Carmine, No. 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis.lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis...lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .096
Lacquer, maroon, bbls., wks..lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works...lb. .23 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Red, maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide,[3] tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works.....lb. 2.62 - —
Metallic, bbls., works.....lb. .02 - —
Oxide (see Red, iron oxide).
Para[3] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls...lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate,[3] NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood, grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP, cryst., dms., frt. alld..lb. 1.60 - —
Rhatany root, bgs.....lb. .16 - .17



Industry's tomorrows merge with today as chemists and engineers find new and important applications for Anhydrous Hydrofluoric Acid. Research and development point to many uses for this versatile chemical—as a catalyst for alkylation, acylation, isomerization and polymerization reactions; as a dehydrating agent and condensation reagent, as a fluorinating agent, etc.

The potentialities of Anhydrous HF have already been tapped successfully by the petroleum and refrigeration industries. Ahead are opportunities for even greater usefulness for synthesis in the plastic, dye, resin and other industries built on organic chemical processes.

Organizations whose research, process planning or manufacturing programs utilize Anhydrous HF—or show need for a chemical of its characteristics—are invited to avail themselves of the services of the General Chemical Fluorine Division. At your disposal will be the experience, resourcefulness and technological "know how" of a company that pioneered in bringing this product out of the laboratory into the industrial forefront.

General Chemical Technical Service Bulletin 30-A, "Hydrofluoric Acid, Anhydrous and Aqueous," presents many important original data. It contains 24 pages of curves, charts, bibliography, etc., with special emphasis on the physical and chemical properties of Anhydrous HF and its use in organic syntheses. Copies may be obtained from the nearest General Chemical Sales and Technical Service Office below, or General Chemical Company, Fluorine Division, Dept. OPD-10, 40 Rector St., New York 6, N. Y.

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FOR AMERICAN INDUSTRY

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Rhubarb, whole, cs.....lb. .35 - .36
powd., bbls.....lb. .40 - .41
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga. or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, futures, bls.lb. .57 - .60
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, Portuguese, bls.....lb. .11 - .11½
Spanish, bls.....lb. .13¾- .14¼
Rosin, gum,[1,6,7]—
B, dms., c.l.....100 lbs. 6.68 - —
D, dms., c.l.....100 lbs. 6.75 - —
E, dms., c.l.....100 lbs. 7.28 - —
F, dms., c.l.....100 lbs. 7.38 - —
G, dms., c.l.....100 lbs. 7.42 - —
H, dms., c.l.....100 lbs. 7.44 - —
I, dms., c.l.....100 lbs. 7.44 - —
K, dms., c.l.....100 lbs. 7.48 - —
M, dms., c.l.....100 lbs. 7.50 - —
N, dms., c.l.....100 lbs. 7.66 - —
W.G., dms., c.l.....100 lbs. 7.91 - —
W.W., dms., c.l.....100 lbs. 8.18 - —
X, dms., c.l.....100 lbs. 8.18 - —
Wood,[1,4,7] B (resin), dms., c.l., works..100 lbs. 8.00 - —
FF, dms., c.l., works.100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs. 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works.100 lbs. 5.25 - —
WW, X, dms., c.l., works... 100 lbs. 5.40 - —

Rotenone,[1,8] bbls., works.....lb.10.90 -18.50
extract, liq., dms., works.... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .60 - .65

S

Sabadilla seed, powd., bbls....lb. .32 Nom.
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.20 - 1.30
Persian, tins.....lb.48.00 - —
Spanish, NF, tins.....lb.37.00 -38.00
Safrol, cns.....lb. 1.00 - 1.10
Sage,[1] Calif., leucophylla, bgs., Pacific coast..lb. .30 - .31
Dalmatian-type, bgs., Pacific coast..lb. .67 - .68
Cyprus, good, bls.....lb. .17½- .18
fair, bls.....lb. No stocks
Greek, bls.....lb. .15 - .15½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .17 - .17½
Washington, Dalmatian-type, bls..lb. .65 - .66
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .98
Powdered salol, 10c. higher.
Washington, bls., futures, source lb. .70 - .71
Salt rock, bgs, c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.60 -23.20

Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
Saltpeter, dbl., ref., powd., bbls., 10-20 ton lots..100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns.kilo.170.00-175.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .35 - .37
Honduras, bls.....lb. .57 - .58
Mexican, bls.....lb. .23 - .24
Sassafras bark, ordinary, bls.. lb. .40 - .45
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .60 - .65
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .22 - .23
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. .60 - .65
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34½- —
kegs, 5,000 lbs., 1 shipm't..lb. .34½- —
smaller lots.....lb. .34¾- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 1.80 - 1.85
Senna, Alex., half-leaf, bls....lb. .19 - .22
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .17 - .17½
2, bls.....lb. .15 - .15½
3, bls.....lb. .14 - .15
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .09 - .10

Serpentaria root, bls.....lb. 1.50 - 1.60
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lots. lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
D.C., V.S.O., Diamond I, 100 bgs..lb. .4660- —
Garnet, 100 bgs.....lb. .3890- —
Superfine, 100 bgs., Boston, N. Y..lb. .3660- —
Chicago .....lb. .3710- —
Pacific coast.....lb. .3960- —
TN, 100 bgs., Boston, N.Y....lb. .3550- —
Chicago .....lb. .3600- —
Pacific coast.....lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton.17.00 - —
l.c.l., works .....ton.20.00 - —
400 mesh, bgs., c.l., works, ton.18.00 - —
l.c.l., works .....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., works, ton.30.60 - —
l.c.l., works .....ton.35.00 -38.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works .....ton.21.50 -23.00
99%, 325 mesh bgs., c.l., works..ton.20.00 - —
l.c.l., works .....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.....ton.15.50 - —
l.c.l., works .....ton.18.50 - —
140 mesh, bgs., c.l., works. ton.11.00 - —
l.c.l., works .....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27
Silver bullion.....oz. .71111- —
Cyanide, cns., 100 ozs.....ob. .14½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47½- —
smaller lots.....oz. .47½- .47⅝
Nucleinate, USP, bots., dms.oz. .308 - .358
Proteinate, USP, bots., dms., oz. .288 - .338
Simarubra bark, bls.....lb. .55 - .60
Skunk cabbage root, bls.....lb. .25 - .30
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .08
Blue, ctns. .....lb. .07 - .08¾
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .13 - .13½
crushed, bls., bbls.....lb. .16 - .17
cut, dom., bls., bbls.....lb. .18 - .19
imp., bbls.....lb. No stocks
powd., bbls.....lb. .18 - .19
Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate,[8] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd....lb. .16 - .16½
Arsenate,[8] dms., dealers, c.l., works..lb. .09½- —
l.c.l., works .....lb. .10¾- .11¼
Arsenite,[8] gray, dms., dealers, c.l., works..lb. .08¼- —
l.c.l., works .....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.15 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1.. 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra, light, 58%, bgs., c.l.. 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l..... ..100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.,.....100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex. W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Soda, benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .53

Natural

BICHROMATES

for Victory and Peace

•

BICHROMATE OF SODA

Crystals — Granular

•

BICHROMATE OF POTASH

Crystals— Granular

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Throughout the more than 35 years in which we have been serving industry, product purity and uniformity have been our constant watchwords. In the production of National Bichromates there has been no compromise with quality—and there never will be.

NATURAL PRODUCTS REFINING CO.

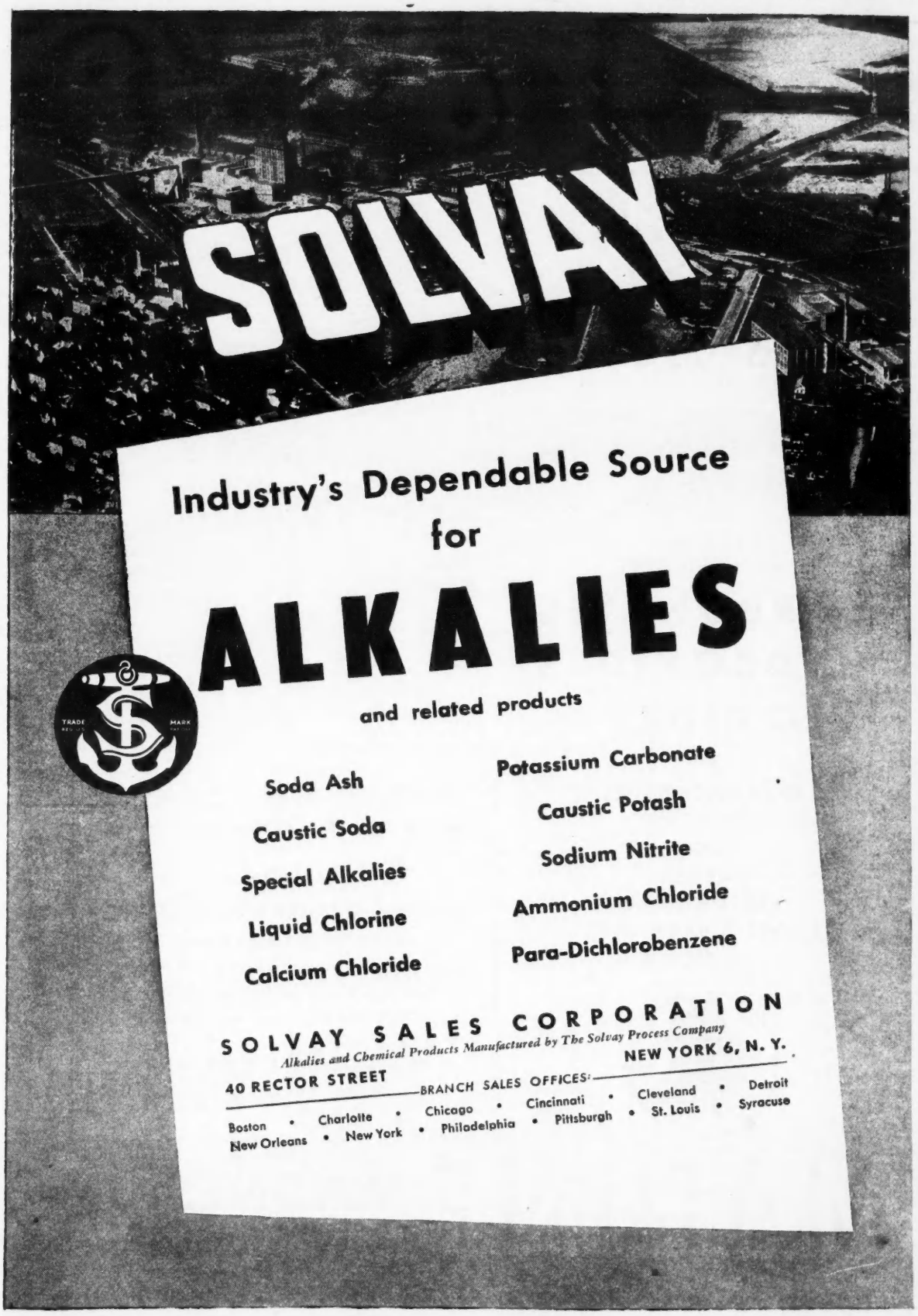
904 GARFIELD AVE., JERSEY CITY 5, N. J.

Soda bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[1,6] bgs., c.l., wks. lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate in bbls. ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works. 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls, c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., 100 lbs., works. lb. .26 - —
Cacodylate, bots., dms.....lb. 9.00 -12.90
Carbonate (see Soda ash, Soda monohydrate, Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works..... 100 lbs. 1.95 - —
70%, buyer's tanks, works.. 100 lbs. 1.97½- —
seller's tanks, works..... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.
Chloride (see Salt).
Chlorate, cryst., kgs., c.l., wks. lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[1,6] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equald..lb. .09½- .09¾
Soda chromate in bgs. is ½c. lower.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
dlvd..lb. .09½- .10¼
anhydrous, dms., dlvd.....lb. .12½- —
Diacetate, 33-35% acidity, bbls.,
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
dms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. .24 - .26
tech. (see Soda caustic).
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea cryst., bgs., c.l., works.. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls.....lb. .10 - .12
Iodate, dms., jars.....lb. 5.40 - 5.45
Iodide, bots.....lb. 2.53 - 2.67
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metanilate, bgs.....lb. .40 - —
Metasilicate,[6] anhyd., dms. c.l., works, frt. equald.. 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls. .....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast ports..100 lbs. 8.00 - 8.65
l.c.l., dlvd .....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.85
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquete, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald...lb. .19 - —
Perborate, NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works .....lb. .15¼- —
Peroxide, dms., c.l., dlvd., E. of Miss..lb. .14 - —
smaller lots .....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works.... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75

Soda phosphate, dibasic, tech., cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP, XII, dried, bbls., dms., works..lb. .150 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - 6.05
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., same basis, 100 lbs. 2.70 - —
l.c.l., same basis.100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 3.80 - —
Soda phosphate in bbls. 20c. higher.
USP (see Sodium phosphate, dibasic.
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —
Pyrophosphate,[6] tetra-basic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs. .....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms. .....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd .....100 lbs. 2.85 - —
3, dlvd .....100 lbs. 3.10 - —
4, dlvd .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Soda sesquisilicate, dms., c.l., works..100 lbs. 3.05 - —
l.c.l., dlvd. .....100 lbs. 4.05 - 4.30
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works ....100 lbs. 1.05 - 1.20
tanks, works .....ton.12.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works .....100 lbs. 1.95 - 1.60
tanks, works .....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06½- .07
l.c.l., works.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., c.l., works, 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls.....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
Sulphide, powd., bbls., c.l., works..100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .32
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65

Soda sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works.....lb. .06 - —
tanks, 100% basis, works. lb. .03¾- —
flake, 70-72%, dms., c.l., works. lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphericinoleate, bbls.....lb. .12 - —
Tetrapyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-cinchophen, bots., dms...lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms.. lb. 2.50 - 2.80
Solvent naphtha,[6] dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnequa, Colo.....gal. .26 - —
high-flash,[6] dms., works..gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
Solvent naphtha, wire-enamel,[6] ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis.....gal. .30 - —
tanks, works.....gal. .22 - —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs.. 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20½- —
smaller lots works.....lb. .20½- .24



Sorbitol, coml, dms., c.l., works. lb. .16¼- —
l.c.l., works..... lb. .16½- —
Sparteine sulphate, bots., cns. .oz. 2.25 - 2.30
Spearmint leaves, bls..... lb. .48 - .49
Spikenard root, bls..... lb. .48 - .49
Spruce extract, liq., reg., bbls., c.l., works.. lb. .02¼- —
tanks, works ..... lb. .01¼- —
pwd., super, bgs., c.l., wks. lb. .04½- —
Squaw vine, bls..... lb. .54 - .56
Squill, red, fortified, powd., bbls., bxs.. lb. 2.25 - —
White, bls..... lb. .11 - .12
powd., bbls.. bxs..... lb. .16 - .20
St. Ignatius beans, bgs..... lb. No stocks.
St. John's bread, edible, bls... lb. .10¾- .11¼
Starch, corn, pearl, bgs..100 lbs. 4.06 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs. .....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l..... lb. .0637- —
l.c.l. ..... lb. .0712- —
Rice, bgs., c.l. ..... lb. No stocks.
Sweetpotato, bgs..... lb. No stocks
Wheat, thick boil, bgs..... lb. .06 - —
Starch iodide, bots..... lb. 1.97 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls..... lb. No stocks.
Stoneroot, bls. ..... lb. .07½- .08
Storax, cs..... lb. 1.15 - 1.40
Stramonium leaves, bgs..... lb. .20 - .21
Seed, bgs. ..... lb. .20 - .21
Strontium bromide, cns., dms. lb. .53 - .55
Carbonate, 90%, bbls..... lb. .14 - .16
98%, bbls. ..... lb. .23 - .25
Chloride, tech., bbls..... lb. .22 - .24
Chromate, bbls., kgs., Phila. lb. .35 - .37
Strontium iodide, bots..... lb. 3.06 - 3.15
jars, 25 lbs..... lb. 3.00 - —
Lactate, dms. ..... lb. 1.30 - 1.35
Nitrate, bbls., c.l., works.... lb. .07¾- —
l.c.l., works ..... lb. .08¼- .08¾
Oxalate, bbls., works..... lb. .38 - .40
Salicylate, NF, dms..... lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton. 58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots..... oz. 30.00 - 50.00
Strophanthus seed, Kombe, bgs., lb. 2.65 - 2.70
Strychnine, NF, cryst., cns., 100 ozs..oz. .70 - —
powd., cns., 100 ozs..... oz. .60 - —
Acetate, cns., 100 ozs..... oz. .88 - —
Arsenate, cns., 100 ozs..... oz. .91 - —
Arsenite, cns., 100 ozs..... oz. .88 - —
Glycerophosphate, cns., 100 ozs., oz. .89 - —
Hydrochloride, cns., 100 ozs..oz. .88 - —
Hypophosphite, cns., 100 ozs. oz. 1.00 - —
Nitrate, NF, cns., 100 ozs...oz. .82 - —
Phosphate, NF, cns., 100 ozs., oz. .89 - —
Sulphate, USP, cryst., cns., 100 ozs..oz. .58 - —
powd., cns., 100 ozs..... oz. .48 - —
Styrolyl acetate, bots..... lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls.. l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, USP, dms..... lb. 9.00 - 9.10
Sulphaguanidin, dms..... lb. 4.50 - 4.60
Sulphamerazin, dms..... lb. 9.00 - 9.10
Sulphanilamide, USP, bots.... lb. 1.50 - —
fib. dms. ..... lb. 1.05 - 1.25
Sulphanilamide, 30-80 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.30
Sulphathiozole, dms. ..... lb. 2.50 - 2.80
Sulphonethylmethane, kgs..... lb. 6.75 - 6.85
Sulphonmethane, kgs. ..... lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton. 16.00 - —
vessels, Gulf ports, contract..long ton. 17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works..... 100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works..... 100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works.. 100 lbs. 2.60 - —
l.c.l., works..... 100 lbs. 2.95 - 3.10
light, bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., works..... 100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works 100 lbs. 3.05 - —
l.c.l.. works..... 100 lbs. 3.40 - 3.75
Refined sulphur nowers in bbls., 35c. higher.
rock, bbls., c.l., works..100 lbs. 2.20 - —
l.c.l., works..... 100 lbs. 2.55 - 2.70
roll, bbls., c.l., works. 100 lbs. 2.40 - —
l.c.l., works..... 100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works ..... lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07¼
l.c.l. ..... lb. .08 - .08¼
Sulphur, dioxide, liqu., com'l, cyls., c.l., works..lb. .07 - —
l.c.l. ..... lb. .08 - .08¾
multi-unit cars, works..lb. .04½- .06
tanks, works..... lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .16 - .21
Iodide, bots., jars..... lb. 3.90 - 4.11
Sumac extract, No. 1, bbls.... lb. .06 - —
No. 2, bbls..... lb. .07 - —
stainless, bbls. ..... lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto., unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84

Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $6.03 per ton; guaranteed 18%, 19% or 20% a.p.a., ½c. per unit-ton higher.

triple, 40% or more a.p.a., bulk, producing points, Florida..unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —

Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.

Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bls., Calif..... lb. .75 - .76

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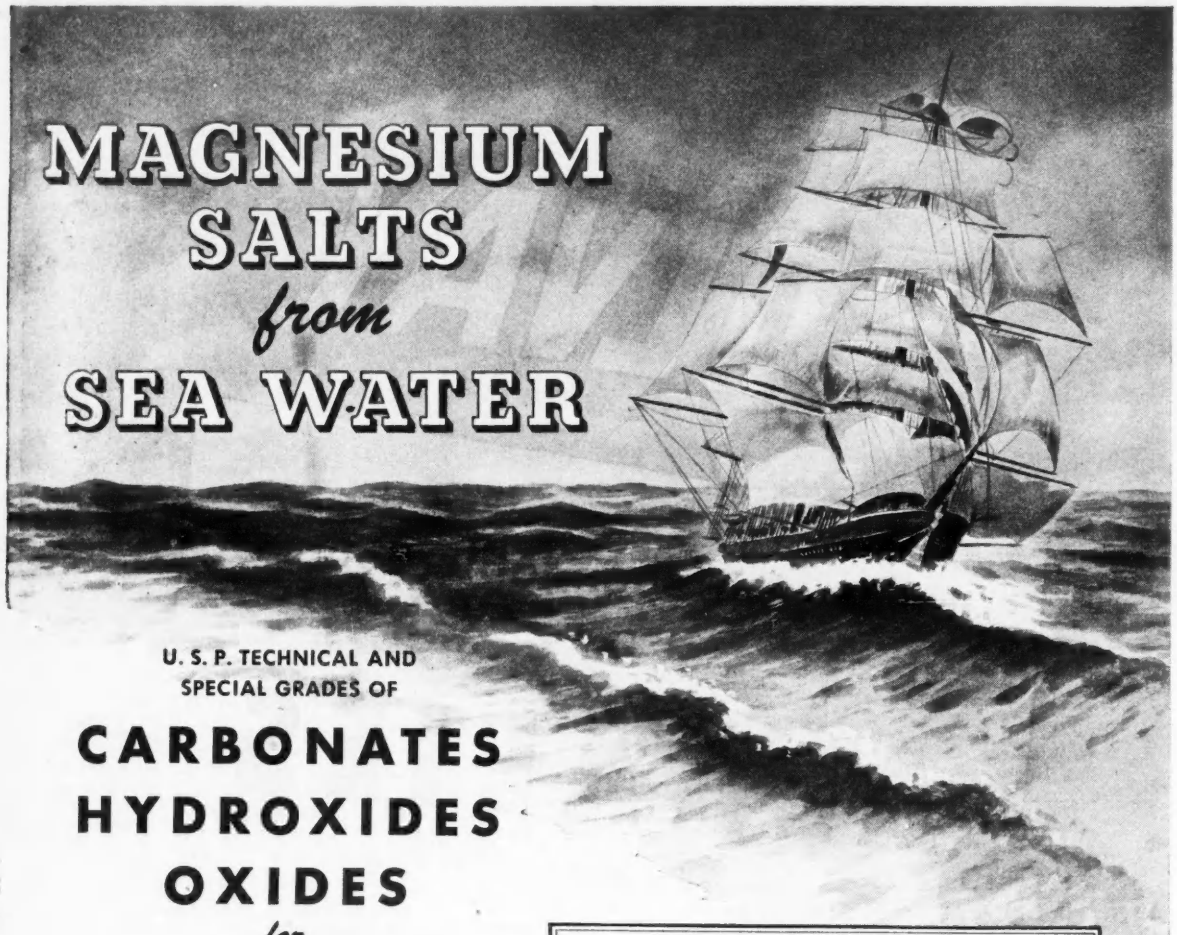
Talc, dom., ordinary, grd., bgs., c.l., works..ton. 14.50 - 24.50
l.c.l., works ..... ton. 16.50 - 30.00
Calif., bgs., c.l., wks. ton. 17.50 - 43.00
Pennsylvania, bgs., c.l., works..ton. 11.00 - 13.50
l.c.l., works ..... ton. 12.00 - 14.50
Vermont, bgs., c.l., works, ton. 14.00 - —
l.c.l. works ..... ton. 15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton. 13.00 - —
grd., fine, New York, 325 mesh, 93-94%, bgs., c.l., works..ton. 13.00 - 18.00
98 - 99.5%, bgs., c.l., works..ton. 15.25 - 19.25
99.85 - 99.95%, bgs., c.l., works..ton. 17.00 - 21.00
imp. Canada, bgs., c.l..... ton. 24.00 - 30.00
Tallow,[1,7] edible, tanks..... lb. .09¾- —
inedible, extra, loose..... lb. .08¾- —
special, loose ..... lb. .08½- —
sulphonated, 50% (42% fat), dms., c.l.. lb. .07 - .07¼
(70% fat), dms.. c.l..... lb. .10 - .10¼
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls. ..... lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,8] f.c.b. Brazil. lb. .06 - .06½
delivery N. Y..... lb. .07 - .07¾
Java, bgs. ..... lb. No stocks.
Tar acid oil, 15-18%, dms., cl., works..gal. .26½- .27½
l.c.l., works ..... lb. .28½- .29¾
25%, dms., c.l., works..gal. .30 - —
l.c.l., works .....gal. .32 - —
Tar, pine (see Pinetar).
Tara,[1] powd., c.l. ex dock, U. S. ports..long ton. 118.00 - —
Tarragon herb, bgs..... lb. .60 - .65
Leaves, bgs..... lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs.. lb. .47¾- .48
dms. ..... lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. ..... lb. .25 - .25½
USP, cryst., bbls., dms.... lb. .70 - .75
powd., bbls., dms..... lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South..... lb. .13½- —
l.c.l., South..... lb. .14 - —
tanks, South..... lb. .13 - —
pure, dms..... lb. .54 - .59
Terpinglycol ether, dms. (extra), c.l., works.. lb. .19½- —
l.c.l., works..... lb. .20 - —
tanks, works..... lb. .19 - —
Terpinyl acetate, extra, cns., dms.. lb. .90 - 1.15
prime, cns., dms..... lb. .75 - 1.05
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works.. lb. .20 - .21½
smaller dms., works... ... lb. .23½ - .25½
tech. (see Perchloroethylene).
Tetrallin, dms..... lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb. 12.50 Nom.
Theobromine,[1] dms., 25-lb. lots.. lb. 2.80 - —
smaller lots..... lb. 2.90 - 3.00
Thiamine hydrochloride, dms., 100 grams or more..kilo. 160.00 - —
Thiocarbanilide, dms..... lb. .24 - —
Thiourea, CP, dms..... lb. .55 - .56
Thorium nitrate, cs., works... lb. 2.00 - —
Thyme,[1] California, French type, bls., Pacific Coast.. lb. .90 - .92
Spanish, bls..... lb. .16 - .16½
Thymol, cns.. ..... lb. 2.40 - 2.75
Iodide, dms ..... lb. 3.40 - 3.80
Timbo root,[2,6] (see Cube root).
Tin chloride,[6] anhydrous..... lb. No stocks
crystals,[6] bgs., bbls..... lb. No stocks
Metal,[1,6] ..... lb. .52 - —
Bolivian ..... lb. 63¼- —
Straits ..... lb No stocks
Oxide,[6] bbls..... lb 54 - .55
Tetrachloride,[6] anhyd., dms., works.. lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd.. lb. .15 - —
l.c.l., dlvd..... lb. .15¼- .15¾
nonchalking,[1,5] bgs., c.l., dlvd. E.. lb. .16½- —
l.c.l., dlvd..... lb. .16¾- .17¾
plain,[5] bgs., c.l., dlvd..... lb. .14½- —
l.c.l., dlvd..... lb. .14¾- .15¼
Hydride, cns., works..... lb. 7.00 - 8.00
Pigment, barium, base,[1,4] bgs., c.l., dlvd.. lb. .05¾- —
l.c.l., dlvd..... lb. .06 - —
calcium, base,[1,4] bgs., c.l., dlvd.. lb. .05½- —
l.c.l., dlvd..... lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd.. lb. .05½- —
l.c.l., dlvd..... lb. .05¾- —
Magnesium base,[1,4] bgs., c.l., dlvd.. lb. .05¾- —
l.c.l., dlvd..... lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c higher; Pac. coast ¼c. higher, c.l., dlvd., l.c.l., ex whse.



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CARBONATES
HYDROXIDES
OXIDES
for
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COSMETIC
FOOD
RUBBER
PRINTING INK
PAINTS & VARNISHES
CHEMICALS

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Alas!...we have come too soon!

As LATE as the eighteenth century, it was believed there were three kinds of lead —ordinary lead, tin, and bismuth.

Miners thought that of the three, bismuth had progressed furthest in its "transmutation" into silver. According to one account, when they struck a vein of bismuth they exclaimed: "Alas, we have come too soon!"

The suggestion that bismuth is a specific metal was first advanced by Georgius Agricola as early as the sixteenth century. But the fact that it is an element was not clearly recognized until the researches of Pott and Geoffroy in the eighteenth century.

Since 1867, every bismuth compound bearing the MALLINCKRODT trade mark has maintained strict conformity to MALLINCKRODT'S tradition of fine chemicals. Specify MALLINCKRODT Bismuth Subcarbonate, Subgallate, Subnitrate, Subsalicylate, Beta-Naphthol, Chloride, Citrate, Oxide, Salicylate, etc.

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CHICAGO • PHILADELPHIA • LOS ANGELES • MONTREAL

Titanium tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.25
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 1.75 - 1.90
Toluidin base, distilled, kgs...lb .96 - —
Toluene (see Toluol).
Toluol (toluene) coaltar, 2° indust., dms., return, wks. gal. .32 - —
tanks, E. of Omaha, frt. alld. 2c. per gal..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1° nitration, ret. dms., works, gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls., lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.50 - 1.60
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs., ozs. .52 - —
Triacetin, dms., works.....lb. .28 - .33
Triamylamine, dms., c.l., works, lb. .93 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs. .....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .33 - .35
dms., l.c.l., dlvd.....lb. .40 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. works .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt., alld.....lb. .06½- —
tanks, frt. alld. .....lb. .07½- —
Trichloroethane, dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l., prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[4] tech., cns. works..lb. .28 - .30¼
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd. .....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine,[4] dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., wks. lb. .55 - —
l.c.l., works.....lb. .60 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd. .....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate,[2] bbls., c.l., frt. alld..lb. .26 - —
l.c.l., same basis.....lb. .27 - .27½
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[3,4] (see Cube root).
Tungsten metal, powd.,[3] 99-99.7% dms., works..lb. 2.60 - 5.40
Oxide, kgs. .....lb. No prices.
Turmeric root, Alleppey, bls..lb. .10½- .11
Haitian, bls., Miami or New Orleans..lb. .09 - .09¼
Madras, bgs. .....lb. .12 Nom.
Turpentine, gum, ret. dms...gal. .90¼- .91¼
Wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East ....gal. .60 - —
steam-dist., ret. dms. East, gal. .80 - .82
tanks, East .....gal. .74 - .75
Sulphate, ret. dms.....gal. .65 - .76

U

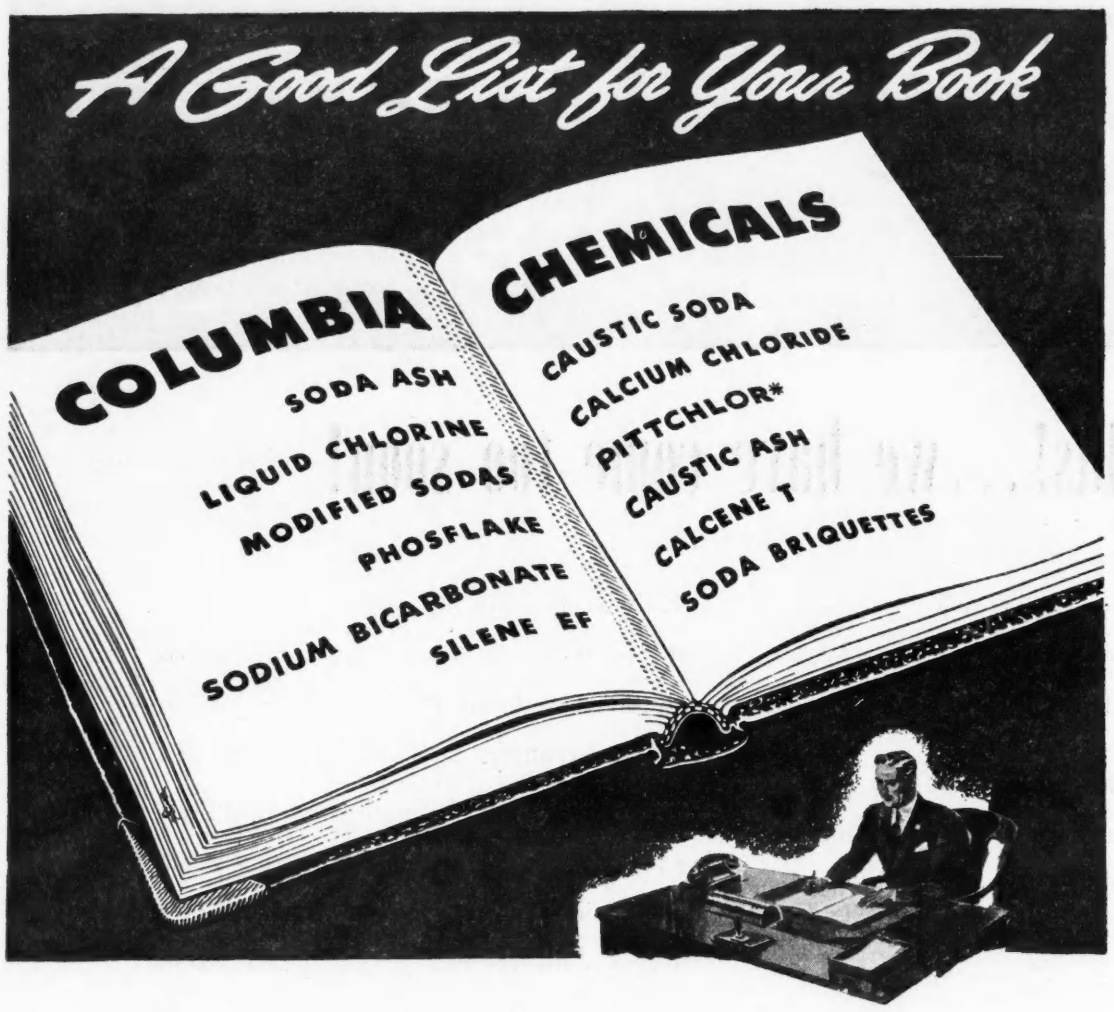
Unicorn root, false (see Helonias root) True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 40% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopeville, Va., NH_3, ton.112.80 - —
usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Urunday, c.l., ex dock, in bond, lb. .05 - —
Urunday price based on ocean frt., at $12, insurance $1, per lb.
Uva ursi leaves, bls.....lb. .19 - .30

V

Valerian root, Belgian, NF, bls., futures..lb. .58 - .60
Indian, bls.....lb. .45 - .46
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins...lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[4] ex eugenol, tins, 25 lbs or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs. or more, lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., ogs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works, lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret dms.. works.lb. 1.50 - —
Viosterol (irradiated ergosterol), bots., mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B, (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 - .60
Wattle bark,[1,5] E. African, bgs., f.a.s..ton.53.00 - —
S. Afr., bgs., f.a.s.....ton.53.00 - —
extract,[1] liquid, 55% tannin, bbls., works..lb. .06¼- .06¾
tanks .....lb. .04¾- .05¼
solid, E. Afr., 61% tannin, ex dock..lb. .05595- .05845
S. Afr., tannin, ex dock, lb. .0572- .0597
Wax, amorphous (see Wax, micro-crystalline).
Bayberry, bgs.....lb. No stocks
Bees,[1] bleached, USP, white, bricks, bgs., ton lots..lb. .58 - —
discs or cakes, bgs., ton lots..lb. .60 - —
ctns., ton lots.....lb. .61 - .65
slabs, bgs., ton lots.....lb. .57 - —
crude, pure, African, bgs., ton lots..lb. .40 - —
smaller lots.....lb. .41 - .43
Western hemisphere, bgs., ton lots..lb. .44¾ Nom.
ref,d, USP, bricks, bgs., ton lots..lb. .53½- —
discs., bgs., ton lots....lb. .55½- —
ctns., ton lots.....lb. .56½- .58½
rounds or squares, bgs., ton lots..lb. .57½- —
ctns., ton lots.....lb. .58½- .60½
slabs, bgs., ton lots....lb. .52½- —
Candelilla,[1] crude, bgs., ton lots..lb. .39 - —
200 lbs. or over.....lb. .39 - —
100 lbs.....lb. .41 - —
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton lots.....lb. .44 - —
200 lbs. or over.....lb. .45 - —
100 lbs.....lb. .47 - —
smaller lots.....lb. .48 - .54
Carnauba,[1] chalky, No. 3, bgs., ton lots..lb. .71¼- —
smaller lots.....lb. .72¾- .81¼
North Country, No. 2, bgs., ton lots..lb. .75¾- —
smaller lots.....lb. .76¾- .85¾
No. 3, bgs., ton lots.....lb. .72½- —
smaller lots.....lb. .74½- .83½
refined, bgs., ton lots.lb. .76¾- .80
smaller lots.....lb. .77¾- .90
yellow, No. 1, bgs., ton lots, lb. .83¼- —
smaller lots.....lb. .84¼- .93¼
No. 2, bgs., ton lots.....lb. .81¼- —
smaller lots.....lb. .82¼- .91¼
No. 3, bgs., ton lots.....lb. .79 - —
smaller lots.....lb. .80 - .89
Carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton lots..lb. .13½- .16
jobbing lots.....lb. .14½- .18
150°-160° m.p., bgs., ton lots lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., ton lots..lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Micro-crystalline, 170°-176° m.p., A.S.T.M., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14½- —
amber, ctns., smaller lots, same basis..lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis, lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis, lb. .16½- .17½
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots, same basis, lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾- —
smaller lots, same basis, lb. .29 - .29½
Montan, domestic, bgs.....lb. .30 - .36
Ouricury,[1] bgs., ton lots.....lb. .49½- .51¾
smaller lots.....lb. .50½- .61¾
refined, bgs., ton lots.....lb. .50½- .61¾
smaller lots.....lb. .63 - .72
powdered ouricury prices same as candelilla.
Paraffin (see P).



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COLUMBIA CHEMICAL DIVISION
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Wax spermaceti, blocks, cs.	lb.	.26	- .27
cakes, cs.	lb.	.27	- .28
White lead (see Lead, white).			
White precipitate,[3] powd., dms., 50 lbs. or more	lb.	2.50	- —
White pine bark, rossed, bls.	lb.	.14	- .15
Whiting, chalk, dry-grd., bgs., c.l.	ton	18.00	-22.00
l.c.l.	ton	20.00	-24.00
wet-ground, bgs., c.l.	ton	21.00	-25.00
l.c.l.	ton	25.00	-29.00
gilders, bolted, bgs., c.l.	ton	20.00	-24.00
l.c.l.	ton	21.00	-25.00
extra-bolted, bgs., c.l.	ton	22.00	-26.00
l.c.l.	ton	23.00	-27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works,	ton	6.00	- —
smaller lots, N.E., works,	ton	7.00	- 9.00
wet-grd., air-coated, 300 mesh, 90@% bgs., c.l.	ton	9.35	-10.10
200 mesh, 99@%, bgs., c.l.,	ton	8.50	- 9.50
90%, bgs., c.l.	ton	6.25	- 7.00
water-floated, extra gilders, bgs., c.l.	ton	10.00	- —
gilders, bgs., c.l.	ton	12.45	- —
putty grade, bgs., c.l.	ton	12.00	- —
Paris white, bgs., c.l.	ton	24.00	-28.00
l.c.l.	ton	25.00	-29.00
precipitated, bgs., c.l.	ton	14.00	-15.00
l.c.l.	ton	16.00	-20.00
Wild cherry bark, thick, bls.	lb.	.06	- .07
thin, natural, bgs.	lb.	.16	- .17
rossed, green, bls.	lb.	.25	- .28
Wild indigo root, bls.	lb.	.30	- .31
Witch-hazel leaves, bls.	lb.	.14	- .15
Witherite (see Barium carbonate, natural).			
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y.	ton	20.00	- —
60 mesh, same basis	ton	24.00	- —
80 mesh, same basis	ton	27.00	- —
100 mesh, same basis	ton	30.00	-32.00
Woodflour, in bags, 25c. each extra, returnable.			
Wormseed, American, bgs.	lb.	.20	- .23
Levant, bgs.	lb.	4.50	- 4.75
Wormwood, bls.	lb.	.50	- .60

X

Xanthorrhiza, bls.	lb.	.24	- .25
Xylene (see Xylol).			
Xylidin, mixed, dms.	lb.	.85	- .88
Xylol (xylene), coaltar, indus., ret. dms., works	gal.	.32	- —
tanks, E. of Omaha, frt. alld.	gal.	.26	- —
West Minnequa, Colo.	gal.	.26	- —
10°, ret. dms., works	gal.	.35	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.30	- —
5°, ret. dms., works	gal.	.42	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.37	- —
3°, ret. dms., works	gal.	.47	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.42	- —

Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns.	lb.	1.90	- 2.00
Yeast, brewer's, dry, 50 B units, dms.	lb.	.35	- —
90 B units, dms.	lb.	.45	- —
200 B units, dms.	lb.	.50	- —
300 B units, dms.	lb.	.60	- —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.22	- —

Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.

Benzidin, bbls., dlvd.	lb.	1.35	- 2.25
Cadmium, CP, bxs.	lb.	1.35	- 1.40
ton lots, E. of Rockies	lb.	.55	- —
smaller lots, same basis,	lb.	.65	- —
Sulphide, orange, cs., kgs., works	lb.	1.10	Nom.
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.16	- —

Chrome yellow prices are ½c. higher, dlvd Ala., Fla., Ga., La. (Shreveport), 1¼c.; Miss., N. C., S. C., Tenn., Tex. (Dallas), 1¼c.; Ft. Worth, 1¾c.; El Paso, 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch pink, bbls.	lb.	.09	- .11
Hansa, bbls., same basis as chrome	lb.	1.87	- —
primrose, bbls., same basis	lb.	1.75	- —
Mercury oxide, bbls., 1,000 lbs.	lb.	2.43	- —
smaller lots	lb.	2.46	- —
Ocher, American, golden, bbls., works	lb.	.04½-	.06¾
yellow, bbls., works	lb.	.02	- .02¾
French type, bbls., c.l.	lb.	.0845-	—
l.c.l.	lb.	.0865-	—
Oxide, iron, nat., bbls., c.l., Bethlehem, Easton, Pa.	lb.	.04½-	—
l.c.l., same basis	lb.	.05	- —
synth., bbls., c.l., works	lb.	.0686-	—
l.c.l., works	lb.	.071	- —
Persian orange (see O).			
Zinc, bbls., same basis as chrome	lb.	.16	- —
Navy spec. type, bbls., contract	lb.	.16	- —
Yellow dock root, bls.	lb.	.35	- .38
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.21	- .25
Yohimbine hydrochloride, vls.	oz.	3.00	- 5.75

Z

Zein, bgs., 1,000 lbs., works	lb.	.25	- —
smaller lots, works	lb.	.30	- —
Zinc acetate, tech., bbls., dlvd.	lb.	.16	- .17
USP, bbls.	lb.	.26	- .27
kgs.	lb.	.29	- —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾-	.13¾
l.c.l., same basis	lb.	.12¾-	.13¾
Zinc borate, bgs., c.l.	lb.	.12	- —
Carbonate, tech., rubber makers' grade, bbls., works	lb.	.09¾-	.10¾
USP, precip., powd., bbls.	lb.	.35	- —
dms.	lb.	.40	- —
kgs.	lb.	.37	- —
Chloride, tech., fused, dms., c.l., works, 100 lbs.		5.00	- —
l.c.l., works, 100 lbs.		5.35	- —
gran., dms., c.l., works, 100 lbs.		5.75	- —
l.c.l., works, 100 lbs.		6.50	- —
solution, 50%, dms., c.l., works	lb.	.0615-	—
l.c.l., works	lb.	.04¼-	.04¼
tanks, works	lb.	.0250-	—
USP, dms.	lb.	.30	- .31
jars	lb.	.35	- .36
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.33	- .37
Dust,[6] bbls., c.l., dlvd.	lb.	.1035-	—
l.c.l., works	lb.	.1135-	—
Fluoride, bbls.	lb.	.25	- .30
Hydrosulphite, dms., works	lb.	.16	- —
Iodide, NF, bots.	lb.	4.66	- 4.75
jars	lb.	4.40	- —
Laurate, bbls.	lb.	.32	- .33
Metal,[1] (quotations in Protective Coatings market).			
Naphthenate, 8%-10% Zn, dms.	lb.	.16	- .19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd.	lb.	.07½-	—
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
leaded, 50%, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd.	lb.	.07⅝-	—
35% or more, bgs., c.l., dlvd.	lb.	.07	- —
l.c.l., dlvd.	lb.	.07¼-	—
Zinc oxide, pigment, dom., leaded, 50%, French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
green seal, bgs., c.l., dlvd.	lb.	.09	- —
l.c.l., dlvd.	lb.	.09¼-	—
red seal, bgs., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd.	lb.	.08¾-	—
white seal, bgs., c.l., dlvd.	lb.	.09½-	—
l.c.l., dlvd.	lb.	.09¾-	—
USP, ctns., c.l.	lb.	.10½-	—
l.c.l.	lb.	.10¾-	—

Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ½c. higher than bgs.

Resinate,[4] fused, 1% Zn, lump, dms.	lb.	.11	- .12
precipitated, 8.40% to 9% Zn, powd., dms.	lb.	.14½-	.15
Silicofluoride, bbls.	lb.	.15	- .16
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29	- —
smaller lots, same basis	lb.	.30	- .31
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l., works, frt. alld., 100 lbs.		3.40	- —
l.c.l., same basis, 100 lbs.		4.15	- —
flake, ogs., c.l., same basis, 100 lbs.		3.80	- —
l.c.l., same basis, 100 lbs.		4.55	- —
powd., bgs., c.l., same basis, 100 lbs.		5.35	- —
l.c.l., same basis, 100 lbs.		6.10	- —
Zinc sulphate, in bbls., 25c. higher.			
Sulphide,[1,4] pure, bgs., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd.	lb.	.08½-	—
bbls., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd.	lb.	.08¾-	—
Barium pigment,[1,6] bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
Zinc sulphide, calcium pigment,[1,4] bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
Fluorescent pigment,[1,4] works, frt. ald.	lb.	.90	- 1.00
Magnesium pigment,fl,[4] bgs., c.l., dlvd.	lb.	.05¾-	—
l.c.l., dlvd.	lb.	.06	- —
Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.			
Sulphocarbolate, NF, bbls., dms.	lb.	.28	- .31
Tallate, 5% Zn, dms.	lb.	.09¾-	—
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, dms., c.l., works, 100 lbs.		5.65	- —
l.c.l., works, 100 lbs.		6.70	- —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00	- 2.80
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06	- —
l.c.l., dlvd. E. of Rockies,	lb.	.06¼-	—
Pac. cst.	lb.	.06½-	—
ex whse., Pac. cst.	lb.	.07	- —
Zirconium hydride, cns., works,	lb.	7.00	- 8.00
Nitrate, kgs., works	lb.	3.00	- 4.00
Oxide, crude, 70-75%, grd., bbls., works	ton	75.00	-100.00
ex-whse., Pac. cst.	lb.	.07	- —
white, 98%, grd., kgs., works,	lb.	1.80	- 2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for Oct. 1.

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A Complicated Ailment

The strike situation, as a whole, improved a little over the past week. No seizures by government were added to those of petroleum refineries. Conditions in that field were moved somewhat in the direction of normal, without any demand upon the navy to send in the marines. But, the Secretary of Labor was not getting far or fast with his efforts to keep coalmining going. Some of the "unauthorized" stoppages continued in spite of orders from higher up that work be resumed.

The repeated "defying" of labor "leaders" by participators in wildcat strikes presents a peculiar situation. Something is not as it should be in respect of the authority of union officials and their exercising thereof. If a union member refused to comply with an order to strike and endeavored to stay on his job, he would be excommunicated forthwith and forever denied the right to work in any unionized field—if he survived the attention of the "persuasion patrol," which his insubordination invited. When a union member refuses to obey an order from higher up to terminate a strike and go back to work—well, that's all there is to it: no excommunication, no "persuasion," no barring from future jobs. His right to strike is sacrosanct. His right to work—hell, that's only constitutional!

A new angle of the jurisdictional aspects of employment unsettlement came under illumination during the week. The Petroleum Administration for War got all ruffed up, so 'twas said, over the Navy Department's being given the job of taking over the tied-up oil refineries. As far as anybody was said to have said anything by way of explanation of the bypassing of PAW (alias the Department of the Interior), the reason was that the striking unions preferred the navy.

There was a time when that attitude would have been very difficult to understand. Back in the days, that was, when the navy was more hard-boiled, and statutory soothing syrup was less common. One can picture the naval process of strikebreaking in those days, had the need and opportunity arisen. Every striker would have been pressed into naval service—at navy pay—and those who attempted defiance of the "go-to-work" order would have got short shrift as mutineers or deserters. It is most devoutly to be wished that the Department of Labor's all too slowly coming conference of ownership-management and labor will dissipate all doubt of the efficacy of today's more refined methods of dealing with the symptoms of the ailments of employment relations and do something at least toward providing means of preventing symptomatic outbreaks, if not remedying causes.

—O-P-D—

Peacetime Business Control

The war being formally and officially over, it is quite appropriate, in spite of continued activities of armed Japanese troops and German underground bunds, that the War Production Board gives way to the somewhat similarly purposed Civilian Production Administration. It is among the stated functions of the new organization to free business from wartime controls. There is not, however, going to be a termination of governmental controls of business: the major change in that respect is one of name only.

The Civilian Production Administration has six main functions:—(1) To expand production of scarce materials; (2) to limit the use of scarce materials; (3) to restrict the accumulation of inventories; (4) to grant priorities for the breaking of bottlenecks; (5) to facilitate essential export programs; (6) to allocate scarce materials or facilities for the production of low-priced commodities. Those functions tote up to a mighty good imitation of governmentally planned economy.

The policy of the Civilian Production Administration with respect to its major functions will be conditioned to necessity. This is the formal announcement. Of course, necessity being a matter of relativity, CPA functioning will be discretionary, and there will be no end of the differences of opinion on what constitutes necessity. It has been stated that spoonfeeding and price-shaving will not be in that category.

It is the belief of the head of the civilian substitute for the War Production Board that the natural trend of events will steadily and more or less speedily do away with the need for assistance such as his agency is purposed to provide for business. It is already clear that the biggest need in the transition from the global war is in the avoidance of internal strife. That is not within the power of the Civilian Production Administration; whether the province of the agency should be extended to embrace all impediments in the way of prompt, adequate civilian production hinges on the big question of the responsibilities of government in the whole realm of economics. Governmental help would be useful at several places just now. But, as it is with the controls carried over from wartime to peacetime, government's hands are reluctant to let go when their helping has been finished.

—O-P-D—

Making the Most of the Soil

Research and planning have been started, according to public dispatches, with the major purpose of finding larger and new fields of usefulness and consumption for the peanut, in order that the volume of business done in that article under the wartime stringency of supplies of fats may be maintained under the conditions of peace. In the commentaries and reports of science one learns that the soil depletion resulting from the accelerated and expanded production of the peanut under war's exigencies presents a serious handicap to agricultural readjustment. Similar advices are common with reference to the soybean. The nitrogen-fixation characteristics of legumes are not evenly possessed by all members of the pulse family, and they follow the law of diminishing returns as the plants mature to fruition.

This recent manifestation of the not uncommon clash of the distribution division and the production division of commercial economy presents several pressing problems. It points quite clearly to the necessity of collaboration in planning and operating on the part of a variety of interrelated interests, ranging all the way from the soil microbiologist, by way of the fertilizer manufacturer, agronomist, and farmer, to the manufacturer of foods and those who promote and popularize such necessary commodities, plus the expert in the many complexities of nutrition—but, omitting the politician.

Restoration and maintenance of optimum soil fertility constitute an objective and present a task second to none in the whole economy. Finding and applying the complete and correct combination of mineral plantfoods which will produce the greatest nutritional value in any agricultural food or feed crop, or the greatest material value in industrial crops is, alone, a matter deserving all possible study and experimentation and other educational attention. And that is but one of a score or more problems in the task of giving agriculture its full potential place in the general economy.

Such, then, is the breadth of policy and possibility which might well get centralized consideration in the conclaves of the fertilizer industry. With that industry as a nucleus, it should not be difficult to arrange a collaborative undertaking of better use of better soils for better crops. Nothing could contribute more soundly and substantially to the national economic welfare.

—O-P-D—

Men with Useful Knowledge

Although the Civilian Production Administration intends to maintain a compact organization of the personnel which learned so much about being helpful to business in the functioning of the War Production Board, many hundreds of specially qualified WPB workers are looking to private enterprise for a conversion or reconversion location. It is in keeping with the purpose of assistance under which the War Production Board operated that it has set up a committee on industrial personnel to assist its graduates in finding proper and satisfactory niches in the business world.

There can be no denying that those who staffed the WPB activities had unexcelled opportunities to add to their store of useful business knowledge. It can be said of at least most of them that those opportunities were not muffed. Men are coming out of the chemical and related units of the board with knowledge of the technical applications of materials and of the scope and nature of their markets, which could not have been acquired in any other place.

In addition, those who aided in the functioning of the War Production Board—and this holds true equally with reference to the Office of Price Administration—got a deal of useful knowledge in connection with the working relations of business and government. And anybody who thinks that that knowledge is not going to increase progressively in necessity and value is out of touch with the times.

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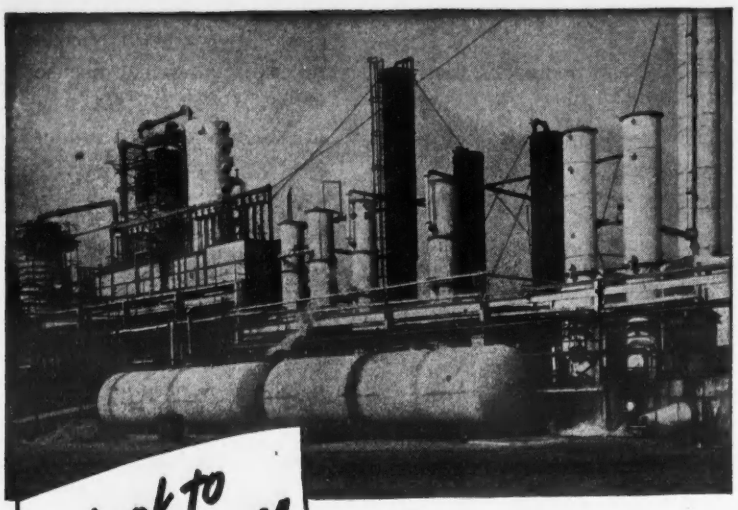

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Heavy Chemicals

Chemical production made some recovery during the past week although output continued to be honeycombed with strikes of more or less importance. One of the new disturbances broke out in one of the major chlorate of potash plants and this exerted increased pressure on a situation that had already assumed a definitely tight stage. There was improvement in the output of soda ash and caustic soda but both markets were insufficiently supplied and will probably remain short for a while. Adequate stocks of nitrite and silicate of soda permitted prompt shipments from works.

Caustic potash supplies have improved. The closing down of high-octane gasoline plants left a rather liberal inventory of caustic potash liquid for market requirements. Carbonate of potash has not been a supply problem for some time; in fact this chemical was practically back to a normal condition before government control was lifted. Less ammonia liquor is being produced than a year ago but there appeared to be plenty to meet requirements.

Expectations of an increase in the output of sal ammoniac have not been realized to date. The addtional production has been delayed by the inability to secure structural material for the plant on time. Meanwhile, the supply is being allocated by the producer and regular consumers are sharing proportionately in the allocation. Some foreign sal ammoniac continues to arrive for battery use. Bicarbonate of ammonia is holding a sizable amount of buying interest that is just about equal to the current output.

Ten wholesalers of industrial chemicals, reporting to the Bureau of the Census aggregate sales of $649,000 in August, showed a gain of 4 percent from July and an inventory gain of 5 percent. In comparison with August, 1944, their sales were up 6 percent and their inventories were 11 percent lower.

Production and supply figures noted in some of the following market reports were released by the Chemicals Bureau of WPB unless otherwise specified.

Aluminum Scrap—Any aluminum scrap in storage locations may be sold by the Reconstruction Finance Corporation as disposal agency at or above the minimum price specified in part 8312.3 plus such amount as may be determined by RFC to compensate, in whole or in part, for the expenses to the government of transporting, handling and storing such scrap and any other charge incidental thereto. Aluminum scrap, pig or ingot, may be retained at a storage location unless at least specified prices ranging from 1¼ to 6c. per pound can be obtained according to grade, f.o.b. shipping point.

Ammonia Liquor—August production was placed at 4,502,466 pounds by the Bureau of Mines. This total compared with 4,653,993 pounds in July and 5,328,000 pounds in August, 1944. Production from January through August was 37,620,814 pounds against 42,457,000 pounds for the corresponding period in 1944. Stocks at the end of August amounted to 1,620,984 pounds, compared with 1,641,938 pounds on July 31.

Ammonia Bicarbonate—Buying interest from the large bakeries continued active with demand in general running flush with production. Market well balanced and firm.

Ammoniac Sal—Deferred demand for white sal ammoniac continued heavy with producers making their own allotments and endeavoring to see that regular consumers get a share of the available supply. The position of the market is tight, but this condition is expected to be temporary as increased production has been delayed by late delivery of construction material. When augmented output reaches the market, it is believed in the trade that the situation will quickly fall into balance. Over 1,500 bags of foreign material arrived last week.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

Acids

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.9	168. 9	168.9	169.0

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

For Current Prices see page 9.

Chlorine — Continued rather tight from the cutback in production that resulted from the recent labor difficulties at the electrolytic caustic soda plants. Supply situation showed some improvement last week and is expected to loosen up as output gets underway.

Chrome Ore—Heavy importations continued. Arrivals last week were over 13,000,000 pounds.

Methyl Chloride—July production was at a lower level. The total registered 2,459,751 pounds of all grades, compared with 2,785,187 pounds in June. Stocks at the end of July were 580,740 pounds, which is the smallest supply for any month so far this year. Stocks on July 30 were 857,339 pounds.

Nickel—A surface map of the Winesap nickel prospect, Chelan County, Wash., has been placed in open file for use by those persons interested in the development of the prospect. The deposit was studied by the Survey in 1943 as a part of its program of strategic minerals investigations and was later drilled by the Bureau of Mines. The mineralized zone is estimated to contain around 30,000 tons of ore with 0.6 to 1.7 percent nickel and from a trace to 0.7 percent copper. The geologic map and cross-sections may be inspected at the office of the Supervisor of Geology at the State Dept. of Conservation and Development, Pullman, Wash., and at the survey offices at 707 Peyton Building, Spokane, Wash., and in Washington, D. C.

Nickel Sulphate — Demand from platers has continued active and buying interest is temporarily in excess of output. With increased production in sight, the market is expected to assume a more favorable position although an active demand will likely prevail over the remainder of the year.

Potash Carbonate — Demand described as brisk has featured this market and is being readily supplied without too much pressure on production. Removing of government control did not have much influence as the market had previously assumed a well balanced position.

Potash Caustic — Liquid continued in better supply than the solid grades. It takes less manpower to handle liquid but the closing down of many of the high octane gasoline plants left a fairly liberal supply of liquid caustic potash to be sold. The solid grades have commanded quite a lot of interest from exporters but the cutback in domestic soap production has been reflected in a slower call from that industry.

Potash Chlorate—Match industry is taking enough of this material to cramp production. The situation was aggravated last week by labor difficulties at one of the major producing plants which caused some readjustment of demand. The supply situation was tight with output heavily sold over the balance of the year.

Potash Perchlorate—Producers are well sold ahead in this chemical. There may be odd lots available in second hand quarters but producers are booked through December.

Soda Ash—Production of soda ash has continued short of demand and while labor difficulties have been less there has been no appreciable expansion in the amount of material available. Although fairly prompt shipments of ash in bulk were available, there remained a definite shortage of ash in bags. No appreciable

For Late Market Developments, See Page 4

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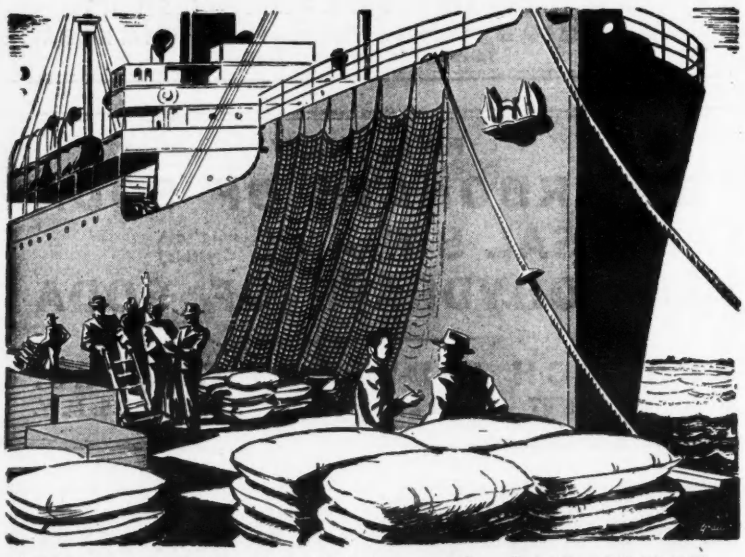

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easement could be noted in the manpower situation.

Soda, Caustic—Supplies of all dry forms of caustic soda remained tight with production insufficient to top demand. Buying interest continued heavy with a renewal of inquiry from the oil refineries. Shipments were considerably behind contract schedules in solid and flaked with conditions somewhat better in the supply of liquid in tankcars.

Soda Chlorate—Sold up condition of output has kept this market in a tight position. Demand for weed-killing requirements this year was of unusually heavy dimensions. Production reported sold well through December.

Soda Nitrite—Production has kept somewhat above the consuming level of this chemical. Stocks are sufficient to allow prompt shipments from works. The dye industry has been content to purchase on a hand-to-mouth basis for some time.

Soda Silicate—Judging by the latest figures, supplies of the different grades of this chemical are not much of a problem at present. Demand has continued fair for both home and export.

Acids

Acetic—July production of synthetic was down to the lowest level for any month recorded so far this year. The total was 20,459,033 pounds, compared with 23,358,276 pounds in June. Stocks at the end of July amounted to 8,048,112 pounds against 9,376,101 pounds on June 30. Production of natural, including acetate of lime, amounted to 2,396,968 pounds compared with 2,991,009 pounds in June. Stocks at the close of July were 2,098,028 pounds against 1,808,968 pounds at the end of the preceding month.

Hydrofluoric—Production fully adequate to meet demand for the anhydrous grade. Some shortage of rubber drums reported but movement in other containers has continued of steady dimensions.

Napthenic—Gradual improvement in the supply position is taking place. There remained a shortage of certain varieties that were in demand but it is expected output will catch up with these grades in the near future.

Oxalic—July production amounted to 1,714,185 pounds which was the second largest monthly output registered so far this year. June production was 1,680,660 pounds. Stocks at the end of July were 364,749 pounds compared with 350,602 pounds on June 30. The market is well sold ahead with producers not eager for carlot business this side of December.

Sulphuric—Current production is meeting requirements in good shape and the market is holding a well-balanced condition. The supply is not excessive but sufficient at present to meet demand without difficulty.

Trade Briefs

Major Joseph E. Keller has resigned as the adviser on state barriers for the Office of Defense Transportation.

Kellogg Petroleum Products, Inc., Buffalo, N. Y., has changed its capital stock from 2,000 shares no par value to 3,000 shares no par value.

R. M. Keppel, Southern regional sales manager of Esso Marketers, has been elected a director and vice-president of Standard Oil Company of New Jersey.

Dr. Edwin Kinderman, a chemist on the staff of the University of California radiation laboratory for the past twenty-one months, has returned to the chemistry department of the University of Portland.

E. K. Stevens has returned to his position as associate manager of the Exposition of Chemical Industries, New York, after serving three years as a major in the production division, Army Supply Force, Washington. This exposition is manager by the International Exposition Company, Grand Central Palace, New York.

Fertilizer Forwarding Corporation has taken out a Maryland charter to deal in fertilizers, with a capital stock of 200 shares of par value of $100 a share. The incorporators of record are McKenny W. Egerton, Betty M. Hinds and George Sempleton, all of 10 Light street, which is the office of a concern that does the work of getting out incorporation papers.

Barium Processes Reviewed by U.S.

OPD Washington Bureau

Barium, a mineral plentiful in nature but expensive to prepare in metallic form, probably could be produced at a cost of less than 45c. a pound by a large-scale operation using processes reviewed in a new Bureau of Mines publication just released by Dr. R. R. Sayers, director of the bureau.

These processes should be a stimulant for seeking new commercial uses for elemental and alloyed barium, according to the report written by W. J. Kroll, consulting metallurgist for the Bureau at Albany, Ore. Barium alloys can be made readily, and the chemical methods for producing the alloys would compete on this cost basis, the author believes.

The cost estimates, Mr. Kroll said, are based upon present raw material prices and production costs in silicon-thermic distillation plants operated for production of magnesium from dolomite, a similar process. The author tested and describes two apparatuses for making barium by the Guntz process.

To obtain a copy of the report, which contains illustrations and a comprehensive bibliography, write to the Bureau of Mines, Department of the Interior, Washington 25, D. C., for Information Circular 7327, "Processes for Making Barium and Its Alloys."

Aliphatic Sulphur Chemicals Offered by Phillips Co.

The chemical products department of the Phillips Petroleum Company, Bartlesville, Okla., has announced production of a new series of aliphatic sulphur chemicals. Mercaptans and dialkyl disulphides are not available in tankcar quantities. The company has issued a booklet describing the physical properties of mercaptans and dialkyl disulphides.

Mineral Deposit Jurisdiction Transferred

OPD Washington Bureau

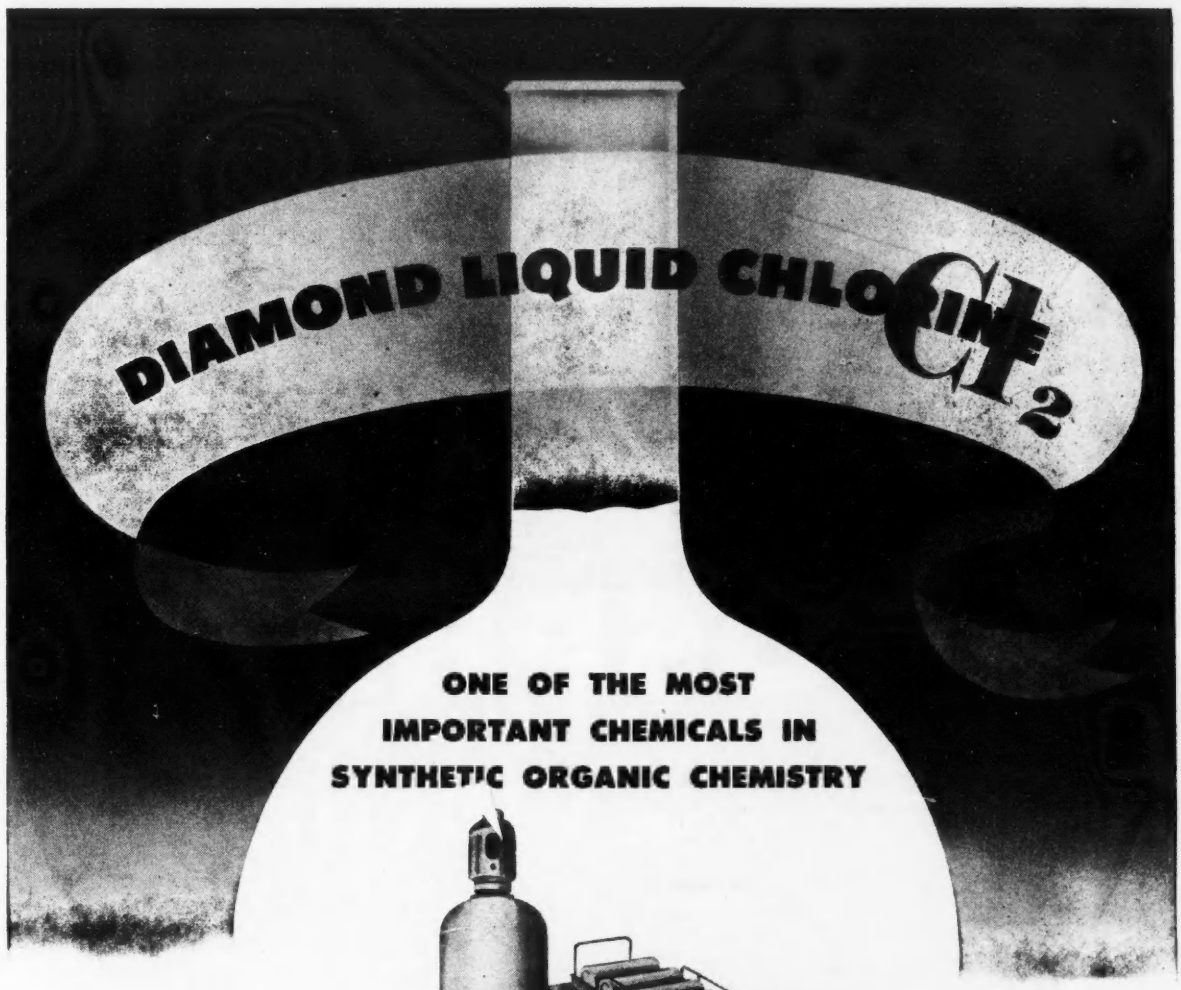
In an executive order signed by President Truman September 28, the transfer was ordered of the jurisdiction from the War Department to the Department of the Interior over the interest of the United States in certain mineral deposits in Jefferson Parish, La.

DuPont Finishes Div. Personnel Shifted

Personnel changes and the establishment of a new sales development section in the finishes division has been announced by E. I. du Pont de Nemours & Co. The sales development section is managed by S. L. Johnston, former distribution manager. D. V. Bauder, merchandising manager, has been made assistant sales development manager.

J. L. Masterson, trade sales manager in the Wilmington office, on leave of absence recuperating from a motor accident, is succeeded by S. L. McSorley, former assistant trade sales manager in the Wilmington office. Mr. Masterson will be reassigned when his health permits. C. P. Culp, trade sales manager of the Boston regional office, is transferred to Wilmington as assistant trade sales manager. L. D. Horsman of the Philadelphia region suceeeds Mr. Culp as trade sales manager in the Boston region.

Maurice J. McCarthy, vice-president of A. Gross & Co., New York, will return October 15 after a three-week vacation in Canada.



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Trenton Chemical Society Adopts Constitution

The first Fall meeting of the Trenton Chemical Society was held on October 2, at Kelly's Restaurant on South Broad street, Trenton. Alan I. Appelbaum, of International Products, talked on developments in the chemical industries in Trenton during the past thirty years.

A short business meeting followed. The constitution of the society was finally adopted after discussion on the remaining articles requiring consideration. The next meeting will be held on November 6th.

The Trenton Chemical Society, organized in April, 1945, now has a paid membership of over fifty chemists from twenty odd companies. Inquiries regarding membership should be addressed to N. A. Perry, secretary, Trenton Chemical Society, Thermoid Company, Trenton 6, N. J.

Hercules Cellulose Products Dep't Personnel Changed

Three personnel changes in cellulose products department of the Hercules Powder Company, Wilmington, have been announced by J. B. Wiesel, director of sales and development for the department. The three changes are:—LeRoy T. Barnette, named supervisor of branch offices; J. K. Speicher to be assistant technical service manager; and L. C. Kleinhans, appointed manager of the department's New York office.

Mr. Barnette, who joined Hercules in 1942, was supervisor of plastics markets prior to his new appointment, and was a government specialist in plastics for the Office of Production Management during the early part of World War II. Mr. Speicher came with Hercules during World War I as a chemist at the company-operated plant at Nitro, W. Va., and with the exception of two years in the explosives department, he has been associated with the cellulose products department. Mr. Kleinhans, who is at present in charge of the company-operated government-owned New River Ordnance plant, Pulaski, Va., has been with Hercules since 1941. He is expected to assume his new duties later in the year.

KEEP WAR BONDS
UNTIL MATURITY DATES

Rheem Co. Elects Merrick Vice-President

J. Harold Merrick has been elected a vice-president of Rheem Manufacturing Company, New York. Mr. Merrick joined the Rheem organization in 1943 as the company's general attorney and recently was named president of a newly-formed subsidiary, Rheem Manufacturing Company of Brazil, Inc. Before joining Rheem, he was with Remington Rand, Inc., and previous to that was South American general attorney for International Telephone & Telegraph Company.

Gundy in Tennant Post

Charles Tennant & Co. (Canada), Ltd., has appointed J. V. Gundy as director. Mr. Gundy, a graduate of the University of Toronto in chemical engineering in 1921, has served the company as manager and later also as treasurer. This company is one of the Tennant Group of Companies established in 1797.

Crude oil output in Bolivia in 1944 amounted to 313,947 barrels, compared with 334,113 barrels in 1943.

Made Phila. Manager

Gerald P. Nelson has been made manager of the Philadelphia office of the J. T. Baker Chemical Company, Phillipsburg, N. J. Mr. Nelson started in the Philadelphia territory in 1938. In 1943 he was granted a leave of absence to assume duties as a captain in the Army Transportation Service.

Chemical Credit Men To Meet October 25

The Chemical and Allied Industries Division of the New York Credit Men's Association will hold a luncheon meeting in the Meidston house, 22 East Thirty-eighth street, New York, October 25. Guest speaker will be R. C. Schlotterer, executive secretary of the Federal Wholesale Druggists' Association, who will discuss "The Road Ahead for the Drug Industry." He is also executive secretary of the Essential Oil Association and the Vanilla Bean Association.

Stuebing with Krumbhaar

Russell J. Stuebing will become associated with Krumbhaar Chemicals, Inc., South Kearny, N. J., as of November 1. Mr. Stuebing was born in Chicago in 1911 and educated at the University of Minnesota. In 1936 he joined Sherwin - Williams Company where he remained until 1942 when he went to Washington with the Chemical Bureau of the War Production Board in charge of many chemical intermediates and allied products.

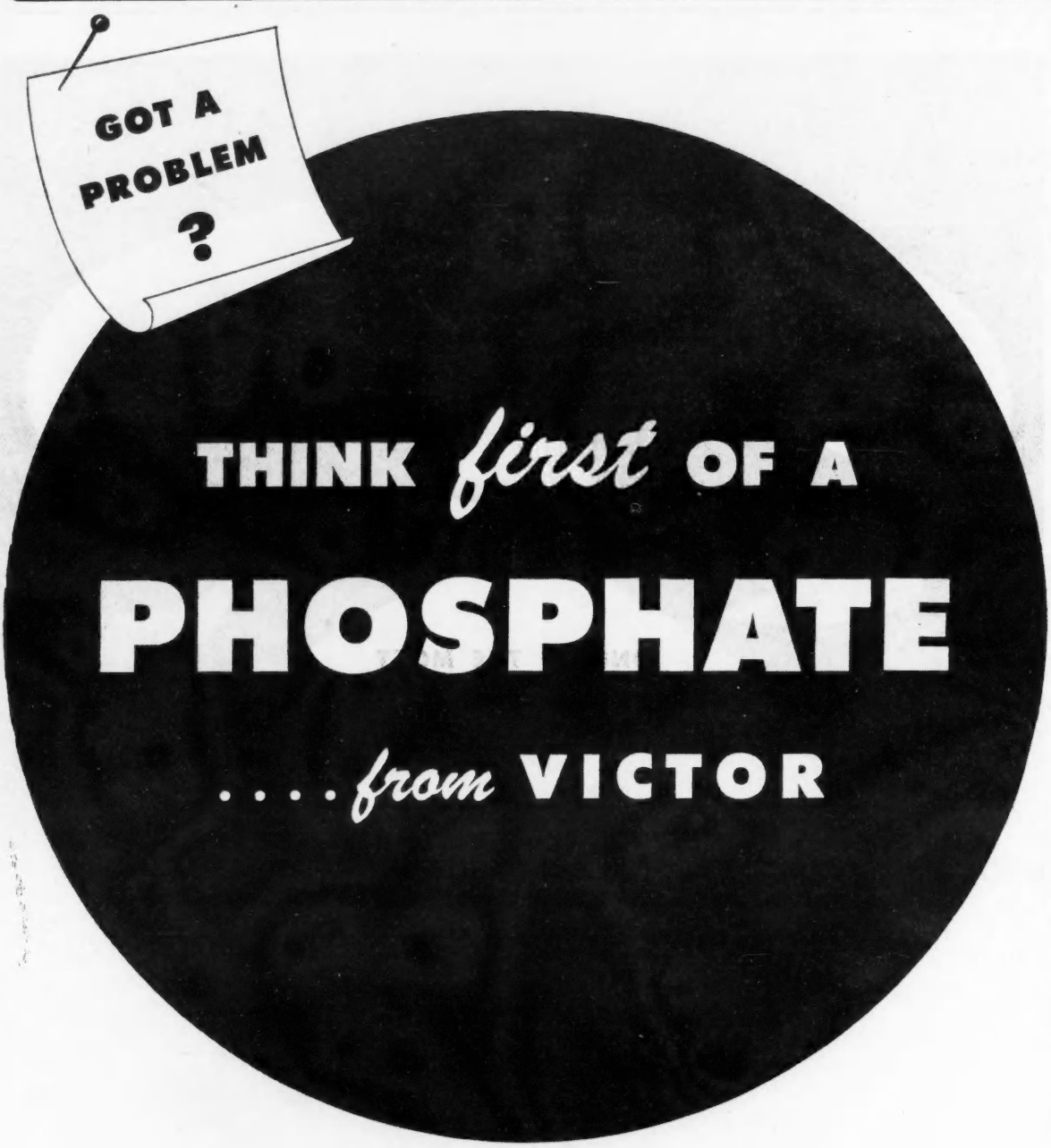
R. J. Stuebing

H. B. Gilpin Company Marking 100 Years

Henry B. Gilpin Company, wholesale druggist, Baltimore is marking its 100th anniversary. The beginning of the H. B. Gilpin Company dates back to July 1, 1845, when Thomas Y. Canby and Edward F. Hatch established a drug firm under the name of Canby & Hatch, the predecessor of the business of Canby. Gilpin & Company, organized in 1850 by Thomas Y. Canby, Bernard B. Gilpin, the father of Henry B. Gilpin, and William Canby. On January 1, 1886, the firm was reorganized under the name of Gilpin-Langdon and Charles F. Husted, in order that the firm might devote its entire attention to the manufacture of ground drugs, spices and proprietary medicines. The Henry B. Gilpin Company was incorporated on January 1, 1903, with Henry B. Gilpin as president. A branch was established in Norfolk in 1925 and one in Washington four years later. H. H. Robinson became the president of the company later and John O. Robinson, the present head, succeeded him in 1934, and still directs affairs, having served a term as president of the Baltimore Drug Exchange.

Chemical Plant Damaged

Fire of undetermined origin last week destroyed stocks and damaged the building of the Columbia Chemical Laboratories, 5111 South Main street, Los Angeles. The loss was estimated at $10,000.



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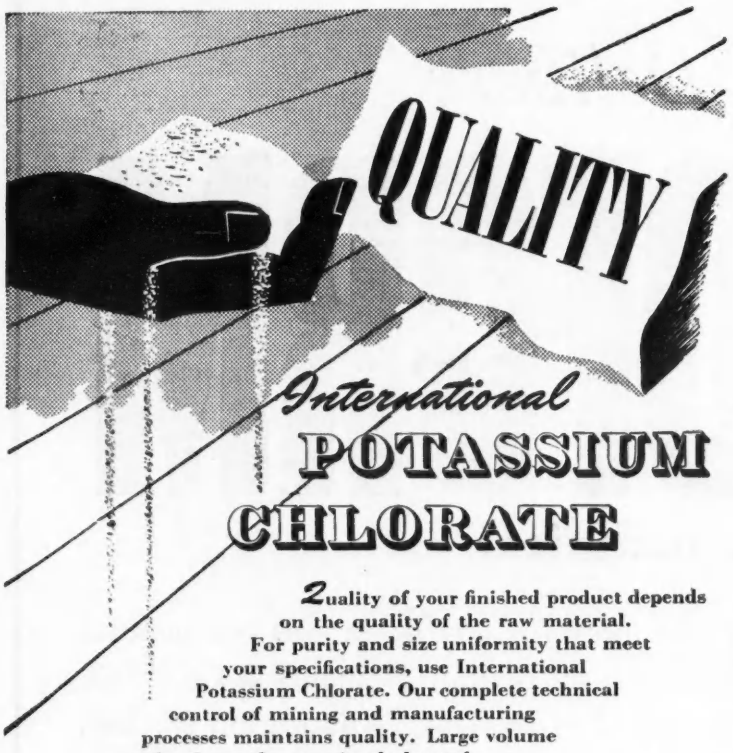

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New York Imports

ALOE—50 cs, 7,240 lbs, S B Penick & Co
35 cs, 5,075 lbs, Peek & Velsor
AMMONIA, MURIATE—994 bgs, Ray-O-Vac Co
510 bgs, National Carbon Co
ARROWROOT STARCH—2,962 bgs, Morningstar-Nicol, Inc
ARGOLS—613 bgs, Charles Pfizer & Co
396 bgs, Tartaric Raw Materials, Inc
ARTISTS MATERIAL—7 cs, Winsor & Newton
ASBESTOS—500 bgs, 50,000 lbs, Philip Carey Mfg Co
400 bgs, 40,000 lbs, Plant Rubber & Asbestos Co
15,789 bgs, 1,578,900 lbs, Johns Mansville Corp
300 bgs, 30,000 lbs
BARBASCO ROOT—66 bgs, United States Commercial Co
BARIUM HYDRATE CRYSTAL—625 bgs, Hummel Chemical Co
BAUXITE—3,468 tons, Aluminum Co of Canada
BENZENE HEXACHLORIDE—1 dm, E I du Pont de Nemours & Co
BONES—905 bgs, Peter Cooper Corp
CADMIUM—42 cs, African Metal Corp
CANARY SEED—1,696 bgs, R T French Co
CASHEW KERNELS—392 cs, 19,600 lbs, Transmarine Mercantile Corp
84 cs, 4,200 lbs, Pistachio Corp
200 cs, 10,000 lbs, W A Camp & Co
CASEIN—1 bg, Firestone Tire & Rubber Co
CELERY SEED—343 bgs, 44,540 lbs, Kachurin Drug Co
422 bgs, 54,860 lbs, A G Dunn
CERAMIC COLORS—2 cs, W J Byrnes & Co
2 cks
9 kgs
CHILLIES—150 bgs, W J Bush & Co
CLOVES—1,400 bls, 196,000 lbs, Bank of the Manhattan Co
1,000 bls, 140,000 lbs, First National Bank
2,000 bls, 280,000 lbs, Bankers Trust Co
600 bls, 84,000 lbs, Corn Exchange Bank & Trust Co
535 bls, 74,900 lbs, Bank of California National Assoc
2,000 bls, 280,000 lbs, Public National Bank & Trust Co
2,200 bls, 308,000 lbs, Banque Madagascar
720 bls, 100,800 lbs, National City Bank
1,000 bls, 140,000 lbs, Continental Commodities Co
1,000 bls, 140,000 lbs, Chemical Bank & Trust Co
320 bls, 44,800 lbs, Swiss Bank Corp
1,000 bls, 140,000 lbs, Manufacturers Trust Co
2,820 bls, 394,800 lbs, Chase National Bank & Trust Co
5,948 bls, 832,720 lbs, Irving Trust Co
2,260 bls, 316,400 lbs, Guaranty Trust Co
COBALT WHITE—6,230 ingots, African Metal Corp
COCOA BEANS—24,000 bgs, 480,000 lbs, United States Commercial Co
792 bgs, 158,400 lbs, J Henry Schroeder Banking Corp
41 bgs, 8,200 lbs, Meyer & Co
212 bgs, 42,400 lbs, W R Grace & Co
500 bgs, 100,000 lbs, Machado & Co
500 bgs, 100,000 lbs, Guaranty Trust Co
278 bgs, 55,600 lbs, General Cocoa Co
6,000 bgs, 1,200,000 lbs, A C Israel Commodity Co
6,000 bgs, 1,200,000 lbs, Wessel, Kulenkampf & Co
3,000 bgs, 600,000 lbs, W Bartholomew & Co
3,500 bgs, 700,000 lbs, Nieschlag & Co
560 bgs, 112,000 lbs, Victory Shipping Co
132 bgs, 26,400 lbs, Middleton & Co
250 bgs, 50,000 lbs, Balfour, Guthrie & Co
CAKE—1,000 bgs, Gallagher & Ascher
RESIDUE—1,451 bgs, Woodward & Dickerson
COCONUT MEAL—(Correction)—In the previous issue, 28,660 bgs, should have read, Cottonseed Meal
CORKS—12 bls, H Casudemont
515 bls, Universal Transcontinental Corp
5 bls, R Schaffer Cork & Cap Co
163 bls, Cork Import Corp
58 bls, Bisbo Cork Co
5 bls, Sabaston Montaner
48 bls, F G Doherty
18 bls, Iberian Cork Co
BOARDS—10,800 pkgs, Armstrong Cork Co
7,838 pkgs, Cork Import Co
BOBBIN—15 cs, Cork Import Corp
DISCS—15 bls, Universal Transcontinental Corp
FLOATS—55 bls, W A Augur
248 bls, Iberian Cork Co
SHAVINGS—160 bls, Manufacturers Trust Co
SLABS—212 cs, Armstrong Cork Co
WASTE—7,155 bls, Universal Transcontinental Corp
110 bls, Manufacturers Trust Co
WOOD—655 bls, Armstrong Cork Co
COTTON LINTERS—255 bls, New England Waste Co
588 bls, Williamson Products Co
129 bls, National Shawmut Bank
630 bls, Gelsmar Co
873 bls, Green Textile Assoc
RESIDUE—127 bls, National Shawmut Bank
COTTONSEED MEAL—28,660 bgs, 286,600 lbs, Maurice Pinchoff Co
CRESOL—25 dms, Standard Agricultural Chemical Co
FILTER PAPER—6 cs, A W Felton Co
GALLS, CONC—4 cs, Maltbie Chemical Co
GLUE, BONE—400 bgs, Transatlantic Animal By-Product Corp
GLUESTOCK—151 bgs, Delany & Co
GLYCERIN—7 dms, Procter & Gamble Co
GRAPHITE—35,139 bgs, United States Commercial Co
GUM—574 bls, Chicle Development Co
COPAL—400 bgs, Gillespie-Rogers-Pyatt Co
863 bgs, O G Innes Corp
370 bgs, U S Industrial Chemicals, Inc
GHATTI—91 bgs, Innis, Speiden & Co
INDUSTRIAL—60 cks, J P Marston & Co
120 bgs, J P Marston & Co
KETRA—11 bls, Herman Weber & Co
GYPSUM—1 cs, American Cyanamid & Chemical Corp
HAIR, GOAT—76 pkgs, N Wagman Co
11 pkgs, Alex Murphy & Co
284 pkgs, Phil Sheer & Son
34 pkgs, Arms Textile Mfg Co
HORSE—257 cs, F H Cone & Co
78 cs, Samuel Zeitlin Sons & Co
HONEY—58 bbls, Guaranty Trust Co
100 bbls, Andes Fruit & Produce Co
50 bbls, M Golodetz & Co
186 cartons, Catz American Co
75 bbls, East Asiatic Co
LIME JUICE—140 cks, Furness, Withy & Co
MACE—21 cs, I Harrison & Whitney
24 cs, B H Old & Co
6 cs, A G Dunn
26 cs, Wood & Selick
10 cs, Hohne & Burns
289 cs, Catz American Co
33 bgs, B H Old & Co
4 cs, Middleton & Co
MEDICINAL PREPS—2 cs, D C Andrews & Co
8 cs, R F Downing & Co
MENTHOL—50 cs, Paul A Dunkel & Co
10 cs, Brown & Williamson Tobacco Co
MICA—83 cs, United States Commercial Co
PLATES—8 cs, United States Commercial Co
SPLITTINGS—4 cs, United States Commercial Co
MINERAL SUBSTANCE—216 dms, African Metal Corp
NUTMEGS—620 bgs, Otto Gerdau Co
30 bgs, Parrish Bros, Inc
11 bgs, Van Loan & Co
353 bgs, A G Dunn
113 bgs, W J Bush & Co
10 bgs, Interocean Export Corp
80 bgs, Knickerbocker Mills Co
30 bgs, Middleton & Co
60 bgs, J A Manton & Co
174 bgs, Catz American Co
425 bgs, Thomas Scott & Co
388 bgs, C T Wilson & Co
78 bgs, Dodge & Olcott Co
13 bgs, Archibald & Kendall
100 bgs, Van Norden & Archibald
50 bgs, Fritzsche Bros
25 bgs, Victory Shipping Co
87 bgs, J Berlage & Co
14 bgs, Fred Henjes jr
55 bgs, J McGlade
OCHER, POWDERED—960 bgs, C J Osborn & Co
OIL, AMYRIS—3 dms, Norda Essential Oil & Chemical Co
1 dm, Ungerer & Co
3 dms, National City Bank
1 dm, Firmenich & Co, Inc
CLOVE—23 dms, J Henry Schroeder Banking Corp
104 bgs, French American Banking Corp
33 dms, Guaranty Trust Co
46 dms, Corn Exchange Bank & Trust Co
47 dms
GERANIUM—3 dms, Rohner, Gehrig & Co
53 dms, Corn Exchange Bank & Trust Co
42 dms, J Henry Schroeder Banking Corp
15 dms, Bank of the Manhattan Co
41 dms, Chase National Bank & Trust Co
48 dms, Continental Bank & Trust Co
12 dms, Brown Bros-Harriman Co
34 dms, New York Trust Co
NUTMEG—2 cs, Synfleur Scientific Laboratories
PALM—1,244 tons, Balfour, Guthrie & Co
VETIVER—2 dms, Corn Exchange Bank & Trust Co
14 dms, New York Trust Co
YLANG YLANG—40 dbs, Chase National Bank & Trust Co
43 dms, Corn Exchange Bank & Trust Co
10 dms, New York Trust Co
33 dms, Continental Bank & Trust Co
PERFUME—34 cs, Firmenich & Co, Inc
5 cs, Rohner, Gehrig & Co
QUINCE SEED—9 bgs, R J Prentiss & Co
RHUBARB—59 pkgs, S B Penick & Co
TONKA BEANS—55 cks, Imperial Commodity Corp
TURMERIC—95 bgs, Chemical Bank & Trust Co
120 bgs, Guaranty Trust Co
VANILLA BEANS—66 cs, French American Banking Corp
19 cs, Corn Exchange Bank & Trust Co
58 cs, Tradesman National Bank & Trust Co
218 cs, National City Bank
46 cs, Continental Bank & Trust Co
80 cs, First National Bank
19 cs, Bank of the Manhattan Co
23 cs, Philadelphia National Bank
44 cs, G Conteau & Co
60 cs, Pan American Trust Co
211 cs, Guaranty Trust Co
338 cs, J Henry Schroeder Banking Corp
362 cs, Marine Midland Trust Co
1,125 cs, Chase National Bank & Trust Co
VETIVER ROOT—12 bls, S B Penick & Co
WAX, BEES—488 bgs, L Luzzatto Co
587 blocks, L Luzzatto Co
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Colour Index Dyes Output: 1944

The United States Tariff Commission has reported that the production of dyes designated by Colour Index numbers increased 2.6 percent compared with 1943. The total in 1944 of such dyes was 109,918,000 pounds.

Colour Index number		Pounds—Production	Pounds—Sales
17	Spirit yellow R	85,000	67,000
20	Chrysoidine Y	404,000	427,000
21	Chrysoidine R	.....	130,000
24	Sudan I	260,000	272,000
27	Orange G	385,000	376,000
30	Fast acid fuchsine B	.....	11,000
31	Amido naphthol red G	496,000	502,000
36	Chrome yellow 2G	202,000	226,000
40	Chrome yellow R	95,000	112,000
52	Azo alizarin yellow GP	98,000	164,000
53	Victoria violet 4BS	37,000	48,000
57	Amido naphthol red 6B	266,000	261,000
73	Sudan II	.....	95,000
79	Ponceau R	575,000	535,000
88	Fast red B	84,000	.....
98	Chrome brown R	266,000	263,000
138	Metanil yellow	291,000	302,000
145	Azoflavine RS	12,000	16,000
146	Azo yellow	25,000	43,000
151	Orange II	1,292,000	1,195,000
168	Acid chrome garnet R	.....	63,000
169	Acid chrome violet N	11,000	10,000
176	Fast red A	266,000	178,000
179	Azo rubine	128,000	123,000
180	Fast red VR	67,000	79,000
184	Amaranth	46,000	.....
185	Cochineal red A	122,000	112,000
201	Chrome blue black B	184,000	200,000
202	Chrome blue black R	2,438,000	2,296,000
203	Chrome Black T	1,102,000	1,000,000
204	Chrome black A	162,000	130,000
208	Fast acid blue R	107,000	92,000
209	Fast acid blue B	.....	16,000
216	Acid chrome red B	73,000	59,000
219	Chrome flavine A	144,000	214,000
234	Resorcin brown	465,000	470,000
235	Resorcin dark brown	118,000	140,000
246	Acid black 10B	1,389,000	1,551,000
247	Azo dark green A	.....	28,000
252	Brilliant croceine M	259,000	256,000
262	Cloth red B	45,000	.....
274	Milling orange	.....	39,000
275	Cloth scarlet G	.....	3,000
278	Direct fast red 8BL	228,000	205,000
280	Scarlet EC	25,000	14,000
289	Fast acid cyanine 5R ex.	446,000	452,000
299	Acid chrome black F	169,000	193,000
302	Acid chrome green SS	.....	13,000
304	Fast acid black 2BN	54,000	60,000
307	Fast acid cyanine black B	264,000	246,000
316	Developed blue NA	96,000	109,000
324a	Rosanthrene	55,000	32,000
325	Direct brilliant violet	24,000	19,000
326	Direct fast scarlet	972,000	968,000
331	Bismarck brown G	114,000	108,000
332	Bismarck brown R	920,000	826,000
343	Chrome fast yellow C	57,000	84,000
346	Direct fast yellow 5GL	13,000	21,000
353	Direct fast pink 2BL	39,000	36,000
364	Brilliant yellow	202,000	187,000
375	Congo corinth G	424,000	420,000
382	Direct scarlet B	158,000	145,000
387	Direct violet B	.....	34,000
394	Direct violet N	.....	68,000
401	Developed black EH	3,078,000	2,877,000
406	Direct blue 2B	1,046,000	959,000
411	Cresotine yellow G	.....	15,000
415	Direct orange R	106,000	113,000
419	Direct fast red F	406,000	397,000
420	Direct brown M	629,000	639,000
430	Polar red	249,000	257,000
472	Direct blue BX	6,000	9,000
477	Direct blue 3B	113,000	140,000
487	Acid anthracene red 3B	76,000	70,000
495	Benzopurpurine 10B	.....	17,000
502	Direct azurine G	191,000	184,000
512	Direct blue RW	157,000	128,000
518	Direct sky blue FF	506,000	480,000
520	Direct pure blue	185,000	187,000
539	Direct fast black FF	398,000	393,000
561	Direct brown BT	235,000	278,000
581	Direct black EW	8,211,000	8,290,000
582	Direct black RX	619,000	609,000
583	Direct green ET	241,000	195,000
589	Chloramine green B	54,000	31,000
593	Direct green B	682,000	600,000
594	Direct green G	126,000	76,000
596	Direct brown 3GO	898,000	804,000
598	Congo brown G	174,000	149,000
620	Direct yellow R	418,000	418,000
621	Chloramine orange G	217,000	194,000
622	Stilbene yellow	392,000	313,000
636	Fast light yellow G	149,000	115,000
639	Xylene light yellow	227,000	189,000
640	Tartrazine	715,000	719,000
652	Chrome red B	215,000	203,000
653	Pyrazol orange	56,000	57,000
655	Auramine	1,461,000	1,559,000
657	Malachite green	240,000	248,000
658	Rhodoline blue 6G	5,000	12,000
666	Acid green B	109,000	83,000
667	Fast acid green B	28,000	24,000
671	Acid glaucine blue	612,000	529,000
676	Para fuchsine	11,000	.....
677	Magenta	.....	58,000
680	Methyl violet B and base	1,016,000	864,000
681	Crystal violet	1,003,000	946,000
698	Acid violet	200,000	201,000
707	Soluble blue	77,000	96,000
714	Patent blue A	120,000	98,000
720	Acid chrome azurol B	105,000	88,000
728	Victoria blue B	.....	1,000
735	Naphthalene green V	.....	46,000
737	Wool green S	126,000	155,000
766	Fluorescein	158,000	.....
768	Tetrabromofluorescein	270,000	273,000
793	Phosphine	72,000	76,000
801	Quinoline yellow	75,000	53,000
814	Direct fast yellow	325,000	326,000
833	Wool fast blue	242,000	219,000
841	Safranine	.....	192,000
864	Nigrosine (spirit-soluble)	2,012,000	2,055,000
865	Nigrosine (water-soluble)	1,363,000	1,188,000
922	Methylene blue	250,000	260,000
	Sulphur or sulphide dyes—		
	Total	17,896,000	17,747,000
	Sulphur black	11,738,000	11,629,000
	Sulphur blue	2,137,000	2,043,000
	Sulphur brown	1,767,000	1,791,000
	Sulphur green	346,000	300,000
	Sulphur maroon	476,000	429,000
	Sulphur olive	1,088,000	1,238,000
	Sulphur tan	67,000	85,000
	Sulphur yellow	253,000	208,000
	All other	24,000	24,000
1034	Alizarin red S	89,000	92,000
1053	Acid alizarin blue SE	48,000	45,000
1054	Acid alizarin blue B	428,000	421,000
1078	Alizarin cyanine green	457,000	465,000
1085	Anthraquinone blue black B	340,000	435,000
1095	Anthraquinone vat yellow GC, 12½%	977,000	1,005,000
1096	Anthraquinone vat golden orange G, 12½	375,000	296,000
1097	Anthraquinone vat golden orange R, 12½	565,000	530,000
1099	Anthraquinone vat dark blue BO, 25%	689,000	733,000
1102	Anthraquinone vat green B and black B, 12½%	.....	566,000
1104	Anthraquinone vat violet 2R, 12½%	.....	129,000
1106	Anthraquinone vat blue RS, 10%	322,000	299,000
1113	Anthraquinone vat blue GCD, 8½%	768,000	633,000
1114	Anthraquinone vat blue BCS, 20%	1,132,000	966,000
1150	Anthraquinone vat olive R, 12½%	3,392,000	3,693,000
1151	Anthraquinone vat brown R, 12½%	773,000	897,000
1152	Anthraquinone vat brown G, 12½%	1,024,000	1,033,000
1177	Indigo, synthetic, 20%	17,287,000	17,435,000
1184	Bromindigo blue 2BD, 10%	934,000	1,005,000
1212	Vat red 3B, 20%	170,000	194,000
	Food, Drug and Cosmetic Dyes		
	Total	851,000	847,000
	Food, drug, and cosmetic colors, total	678,000	681,000
	Blue No. 1	.....	12,000
	Blue No. 2	3,000	3,000
	Green No. 1	.....	1,000
	Orange No. 1	93,000	86,000
	Red No. 1	47,000	43,000
	Red, No. 2	187,000	204,000
	Red, No. 3	8,000	7,000
	Yellow No. 5	164,000	169,000
	Yellow No. 6	87,000	92,000
	All other	89,000	64,000
	Drug and cosmetic colors, total	173,000	166,000
	Orange No. 4	9,000	9,000
	Red No. 7	10,000	9,000
	Red No. 19	23,000	23,000
	Red No. 21	11,000	10,000
	Red No. 35	4,000	4,000
	All other	116,000	111,000
	All other Colour Index dyes	14,527,000	12,735,000

Continental Can Plans Plant Near Pittsburgh

The Continental Can Company, New York, plans the construction of a general line can plant in the Pittsburgh area next year, according to Carle C. Conway, chairman of the board and president.

The new plant will be built on approximately forty acres of ground in West Mifflin Boro, about ten miles southeast of Pittsburgh and directly across the road from the present Alleghany County Airport. The property was acquired from the Carnegie-Illinois Steel Corporation, a U. S. Steel subsidiary, and is about three miles from that company's Irwin Works, one of Continental's chief suppliers of tin plate.

Oregon Black Sand Surveyed

A series of cooperative surveys on black sands of the Southwestern coast of Oregon, conducted during the wartime search for domestic sources of chromite ore, established the magnetometer as a valuable tool of exploration when used in conjunction with other prospecting methods, the Bureau of Mines has announced in a publication describing research made in the Spring of 1942. A copy of the publication, Report of Investigations 3814, "Magnetometer Surveys on Black Sands of the Oregon Coast," by E. L. Stephenson, may be obtained by writing the Bureau of Mines, Department of the Interior, Washington, 25, D. C.

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Medicinal Chemicals Output: 1944

Medicinal chemicals produced in 1944 dropped from 56,000,000 pounds to 42,000,000 pounds, according to the United States Tariff Commission. Sales decreased from 52,000,000 pounds to 40,000,000 pounds. Production of cyclic medicinals decreased by 26 percent, compared with 1943, partly owing to a decrease of 5,500,000 pounds in the output of sulfa drugs. Production of acyclic medicinals decreased by one percent. A drop of 18 percent in the quantity of sales of acyclic medicinals was partly offset by an increase in the average unit value of sales per pound to $4.82, in 1944, compared with $4.13 in 1943. The value of sales of all bulk vitamins dropped from $61,000,000 in 1943 to $47,000,000 in 1944, partly owing to lower prices.

	Pounds	
	[1]Production	[2]Sales
Medicinals, Cyclic		
Total	38,424,000	36,196,700
Benzenoid		
Total	28,453,800	26,432,700
Acetanilid	620,900	597,900
Acetyl-p-aminophenyl salicylate (Phenetsal)	9,800	9,300
N-Acetyl-4-hydroxy-m-arsanilic (Acetarsone)	11,600	11,400
Acetylsalicylic acid	9,423,400	9,325,300
Acetyltannic acid	4,600	3,100
p-Aminobenzoic acid derivatives, total	116,000	96,000
8-Diethylaminoethyl p-aminobenzoate hydrochloride (Procaine hydrochloride)	18,900	20,200
Ethyl p-aminobenzoate (Benzocaine)	71,300	55,900
Others	25,800	19,900
3-Amino-4-hydroxyphenyldichloroarsine hydrochloride (Dichlorophenarsine hydrochloride)	1,400	500
Benzaldehyde	269,200	[3].....
Benzoic acid salts[4]	8,700	7,900
Benzoyl benzoate	432,600	437,100
Bismuth compounds, total	107,700	128,600
Bismuth subgallate	32,300	40,600
Bismuth subsalicylate	66,500	79,200
All others	8,700	8,800
Desoxyephedrine and desoxyephedrine hydrochloride (all isomers)	100	100
Diethylstilbesterol	400	500
Dyes, medicinal, total	86,100	38,500
Mandelic acid salts	[3].....	10,600
Neoarsphenamine	16,900	13,600
Phenolsulphonic acid salts	1,360,700	1,077,500
Salicylic acid	5,469,400	3,661,400
Salicylic acid salts, total	1,431,500	1,389,500
Sodium salicylate	1,386,900	1,352,800
Others	44,600	36,700
Sulpha drugs, total	4,514,500	5,012,700
Sulphanilamide	748,000	1,193,200
Sulphathiazole	1,498,800	1,913,000
Sulphathiazole, sodium	55,000	34,900
Others	2,212,700	1,871,600
Vitamins—		
K (all forms)	400	200
All other	4,567,900	4,611,900
Alicyclic and Heterocyclic		
Total	9,970,200	9,764,000
Amino acids derived from proteins	1,100	1,100
Antipyrine salicylate	2,200	3,100
Barbituric acid derivatives, total	559,300	558,400
5-Ethyl-5-phenyl barbituric acid (Phenobarbital)	205,400	221,600
5-Ethyl-5-phenylbarbituric acid, sodium salt	28,300	54,200
Other	325,600	282,600
Bile acids and salts, total	104,800	93,200
Dehydrochloric acid and sodium salt	23,700	23,500
Other	81,100	69,700
Caffeine	646,600	657,300
Caffeine derivatives, total	62,800	63,000
Caffeine citrate	46,200	46,500
Caffeine sodium benzoate and caffeine sodium salicylate	16,600	16,500
Camphosulphonic acid and salts	3,300	2,900
7-Iodo-8-hydroxyquinoline-5-sulphonic acid (Yatren acid and salt)	43,400	44,400
2-Methoxy-6-chloro-9-diethylaminopentyl aminoacridine (Quinacrine hydrochloride)	853,700	853,300
p-Methylphenylcinchoninic ethyl ester (Neocinchophen)	[5].....	7,800
Niketharnide (niacin diethylamide)	21,900	23,200
Progesterone	[6].....	[6].....
Theobromine derivatives, total	120,900	120,200
Theobromine and sodium salicylate	92,000	88,000
Other	28,900	32,200
Theophylline (1,3-Dimethylxanthine) and derivatives, total	227,200	205,100
Theophylline base	118,900	99,200
Theophylline-ethylenediamine	93,900	93,700
Other	14,400	12,200
Vitamins, total	5,296,100	5,062,800
B_2 (Riboflavin) for human consumption	84,600	60,100
D_2 (Irradiated ergosterol)[7]	307,900	304,200
Other	4,903,600	4,698,500
All other	2,026,900	2,068,200
Medicinals, Acyclic		
Total	4,011,200	3,723,500
Cacodylic acid salts	2,300	2,400
Calcium lactophosphate	[8].....	7,200
Calcium levulinate	[8].....	2,500
Ethyl iodide	10,000	10,200
Hexamethylenetetramine-anhydromethylene citrate (Helmitol)	12,000	8,200
Iodoform	[8].....	7,700
Methyl iodide	7,200	5,700
Silver preparations, colloidal	46,100	46,800
Tartaric acid salts	500	200
Thiosinamine (Allylurea)	200	100
tert-Trichlorobutyl alcohol (Chloretone) (Chlorobutanol)	23,900	29,200
Vitamins	1,218,900	1,159,100
All other	2,690,100	2,444,200

[1] Represents statistics of production and sales for bulk medicinals only. These statistics do not include the production of finished preparations, such as tablets, capsules, or ampoules, which are manufactured from bulk medicinals. The quantity and value of sales are for bulk medicinals or the bulk equivalent of medicinals which are compounded into finished preparations.

[2] Sales represent the combined quantity of sales to another company and the quantity of interplant transfers for consumption, i.e., the transfer within a company from the division which manufactures the bulk medicinal to another division which makes it into a finished consumer product. The value of sales represents the combined sales value and the value (at the prevailing market price) of interplant transfers for consumption.

[3] Included in all other benzenoid compounds.

[4] Does not include sodium benzoate.

[5] Included in all other alicyclic and heterocyclic compounds.

[6] Less than 100 pounds.

[7] In million U.S.P. units, these data would be as follows:—Production, 444,862,175; sales, 45,700,344, valued at $1,926,378. Unit value per million U.S.P. units is $0.042.

[8] Included in all other acyclic compounds.

Yeast Plant Damaged

With damage estimated at $15,000, fire of undetermined origin, October 3, destroyed the plant of the Western Yeast Company, 1631 South Del Mar street, San Gabriel, Calif.

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Agricultural Chemicals

September tag sales registered a gain of 5 percent over the same month in 1944, according to the National Fertilizer Association. Sales in each month of this year, with the exception of February, have been larger than in the corresponding month a year ago. Total sales in the reporting states in the first nine months of this year exceeded sales in January-September, 1944, by 10 percent. Increases were registered by all of the states except Kansas, where a small decline was reported. The relatively greater increase in fertilizer tonnage in the Midwest than in the older fertilizer-using regions in the East and South, which has been pronounced in recent years, has continued this year. The January-September increase in the five Midwestern states over last year was 17 percent, compared with an 8 percent rise in the South. In comparison with 1939, sales in the South were one-fourth larger this year while sales in the Midwest were more than double. Tag sales in the 17 reporting states in the first three months of the current fertilizer year, July through September, represented a total of 951,000 tons, compared with 798,000 tons in the corresponding period of 1944, and 716,000 tons in 1943.

Fertilizer shipments by the United Nations Relief and Rehabilitation Administration from the Western Hemisphere to liberated areas totaled 75,333 tons as of the end of August, according to a report of Herbert H. Lehman, director general of UNRRA, issued October 7. Of the fertilizer shipments, 6,522 tons went to Czechslovakia 32,332 tons went to Greece, 12,188 tons went to Poland, and 24,291 tons went to Yugoslavia.

Nitrogenates

Ammonia Sulphate—Contract shipments are taking production rapidly enough to prevent any accumulation of stocks. Demand was reported active with market conditions remaining tight. Bureau of Mines gives August production at 126,518,977 pounds, a decline of 6.1 percent from July.

Bone Meal—Considerable business could be placed in this material if available. The inquiry was active, with supplies considerably short of demand.

Castor Pomace—Limited production has kept this market in short supply. There was a definite scarcity of offerings all week with no sign of improvement in the near future.

Dried Blood—Buyers have found it difficult to locate stocks at present. Some loosening of supplies was expected with the increase in packinghouse production, but this condition has not materialized to date.

Fish Scrap—Reports have been quite favorable regarding the menhaden catch, but most of the fish are going into scrap, where the demand is active and in excess of the supply available. It is contended the price allowance for meal is not sufficient to inspire increased production.

Soda Nitrate—Followed seasonal lines so far as agriculture was concerned. Supply sufficient to meet requirements without difficulty.

Tankage—In similar position to dried blood. Demand has topped output and left the market in a definitely tight condition.

Phosphates

Phosphate Rock—An increase of 20 cents a ton in the ceiling for sales of all grades of Tennessee phosphate rock by producers to fertilizer manufacturers was announced by the Office of Price Administration. As manufacturers will be required to absorb the increase, the price of fertilizer to the farmer will not be affected, said OPA. The increase, effective October 15, will amount to the approximate cost to the industry of a recent increase in wages for labor engaged in mining and processing Tennessee phosphate rock. The wage increase was ordered by the War Labor Board. The amount of the increase is considered the minimum requirement to keep all essential producers in operation, OPA said.

Superphosphate — Although shipments to mixers are said to be holding a satisfactory seasonal average, demand in this area was not urgent. There was a good call from the Western sections and some inquiry for shipment North, where buyers want to get their stock in storage prior to the cold-weather season.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

For Current Prices see page 9.

Potashes

Contract shipments have gone forward in good volume and these have constituted the week's movement. Mixers need this material and, judging from trade reports, some would like to increase their commitments. Output is heavily sold ahead until March, with production sustained around peak levels regardless of labor shortages.

Markets at Other Centers

Chicago, Oct. 11.—Offerings of nitrogenous fertilizer materials remained much below any reasonable estimate of demand for virtually all representative grades of stock. Dry rendered tankage has come in for most activity at this time. Blood was firm. Tankage was fully strong. Bone materials generally were holding their own. Tankage—Feeding grade, $5.53 per unit; liquid stick, tankcar, $2.65 to $2.70; hoof meal, $4.25 to $4.50. Bone Materials—Ground, steamed bone, 3 and 50 percent, $35 to $36; cattle jaws, skulls and knuckles, $44 to $45; dry, rendered tankage, hard pressed, $1.25; 50 percent bone and meat scrap, $68 to $70.

Los Angeles, Oct. 11.—All organics continued extremely tight in this area the past week. Superphosphate was in better supply because of the 25 percent added allocation for this area. Potash remained in very poor supply. Ruling prices are:—Ammonia Nitrate—$65 per ton with freight allowances up to $4.40 per ton from production plant. Ammonia Phosphate—$48 per ton for 16/20 grade and $57 for 11/48 delivered at production plant. Ammonia Sulphate—$38 per ton with freight allowances up to $4.40 per ton from California plant. Canadian material on same basis. Blood Meal—$4.53 per unit of ammonia, f.o.b. Los Angeles, plus $6.50 per ton grinding cost, plus bags. Fish Meal—$77.50 per ton in cars for 67 percent protein California sardine meal, f.o.b. production plant, plus $2 merchandising.

Insecticides

Bureau of Entomology and Plant Quarantine has made some revisions in quarantine order 45, part 301, referring to the gypsy moth and browntail moth. The principal changes are to redefine as "generally infested" the regulated area formerly classified as "lightly" and "generally" infested, thus eliminating the classification of "lightly infested area." An addition has been made to the regulated area, including part of Eastern New York, Connecticut, Vermont and that part of Massachusetts not heretofore included in the regulated area.

In B.E.P.Q. 37-319, it has been determined that okra seed may be infested with the pink bollworm and that after October 8 this seed may only be entered by permit from the Department of Agriculture.

In reference to pyrethrum and rotenone, directive 15 of section 903.27a has been revoked. This revocation does not affect any liabilities incurred in violation of rules, orders or regulations or other actions issued pursuant to the directive. The order became effective October 4.

Sulphur and Pyrites

Adequate stocks of sulphur at mines are satisfying an active industrial demand promptly. So far there has not been much evidence of a cutback in the government's demand for sulphuric acid, as civilian requirements have been unusually heavy. Spanish pyrites has been moved when available. Uncertainty of shipments from abroad has kept trading spotty.

For Late Market Developments, See Page 4

DuPont Names Richards To Cellophane Div. Post

Robert L. Richards, who has been assistant manager of the cellophane division since May 1, 1944, has been appointed manager of the nylon division, it was announced October 9 by E. I. du Pont de Nemours & Co., Wilmington, Del. He succeeds Charles A. Cary, who has been made assistant general manager of the rayon department. Arlington Kunsman, director of production of the rayon division since December 1, 1937, succeeds Mr. Richards as assistant manager of the cellophane division. Mr. Richards, a native of Philadelphia, was graduated from the University of Pennsylvania in 1922 with a bachelor's degree in chemical engineering. He is forty-seven years of age.

Victory Clothing Collection To Start January 7

Victory clothing collection for overseas relief will start January 7, and continue through January 31. In plan and scope, this campaign will be similar to the United National Clothing Collection of last Spring which provided serviceable used clothes, shoes and bedding to millions of people in liberated lands. President Truman has said that the urgent clothing needs of millions of other people makes a second nation-wide clothing collection imperative.

G.C. Ramey Gets American Cyanamid Post

The American Cyanamid Company, New York, has appointed George C. Ramey as advertising manager and director of promotion and publicity of its textile resin department. Mr. Ramey, who was recently released from active duty in the United States Navy, was formerly connected with Clarence Whitman & Sons as sales manager of the Wilkes-Barre Lace Manufacturing Company.

Alkali Plant Offered For Sale or Lease

The Reconstruction Finance Corporation is offering for sale or lease the government-owned plant at Natrium, New Martinsville, W. V., equipped to produce electrolytic chlorine and caustic soda. The plant, which was operated by the Pittsburgh Plate Glass Company for the government, has a group of buildings with 327,600 square feet.

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Domestic SULPHATE of AMMONIA AND AMMONIA LIQUOR
HEADQUARTERS FOR AMERICAN-MADE NITROGEN
Barrett NITROGEN
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET • NEW YORK 6, N. Y.

SELECTED SPENT FULLERS EARTH
The Unexcelled Fertilizer Conditioner used by Leaders in the Industry
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DREXEL BUILDING • • PHILADELPHIA 6, PA.

Producers of
SULPHUR

Large stocks carried at all times, permitting prompt shipments . . . Uniformly high purity of 99½% or better . . . Free of arsenic, selenium and tellurium.

TEXAS GULF SULPHUR CO. Inc.
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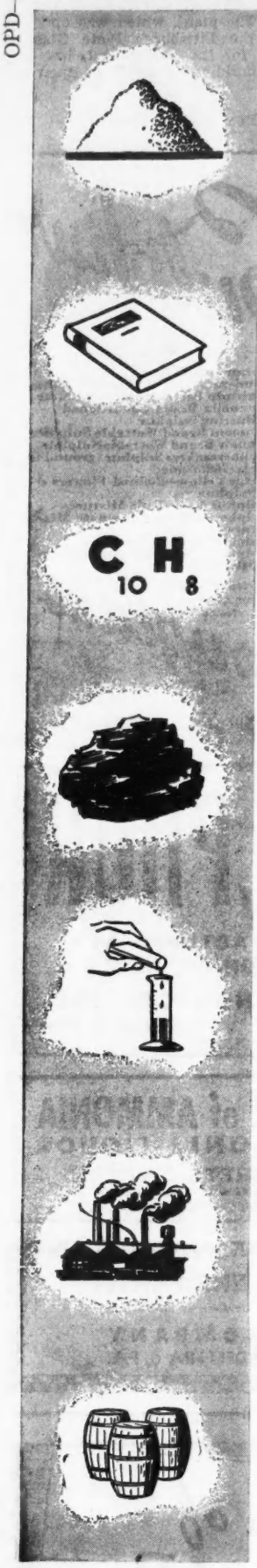
Mine: Newgulf, Texas

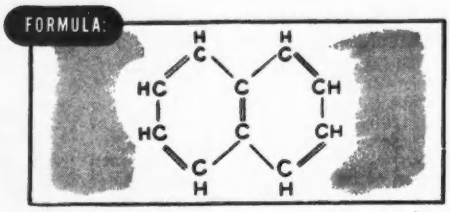
NAPHTHALENE



DEFINITION: A crystalline chemical compound of carbon and hydrogen found abundantly in coal-tar. It was early termed "tar camphor."

HISTORY: Naphthalene was discovered in coal-tar by Garden and Brande in 1819 and its chemical constitution determined by Michael Faraday in 1826. It was proposed for enriching water gas in 1862. Use for manufacture of naphthols for the synthetic dye industry commenced about 1873.

FORMULA:



SOURCES: Traces of naphthalene occur in certain vegetable products. Some naphthalene has been recovered from specially processed petroleum fractions, but the principal source of naphthalene has always been coal-tar.

CHARACTERISTICS: Pure naphthalene is produced as white crystal flakes or chips which melt at 79.4° C or above. It boils at 218° C. It vaporizes slowly at room temperature. It has a clean penetrating odor; is soluble in benzene, hot alcohol and ether, but is practically insoluble in water. It burns with a smoky flame.

USES: Serves as a moth preventive and insecticide for household, institutional and agricultural use; as a raw material for phthalic anhydride, dyes, waxes, tanning agents, pharmaceuticals and plasticizers.

GRADES: Industrial: 74° and 78° crude in tank cars and barrels: 79.4° refined in tank cars and as chipped, crushed or flake in barrels and multi-walled bags. Household: flake and ball in 16-, 12-, 10-, 8-ounce packages; flake and ball, powdered or rice form, in barrels, bags and 50-pound bulk cases.

NOTE: Deliveries today are restricted by the primary requirements of naphthalene for war uses.

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

Coaltar Chemicals

Buying interest in benzol showed improvement last week and output met with better distribution. Heavy inquiry for cresylic acid has checked any improvement in inventories. Crude naphthalene continued tight with possibilities of easement later in the year if demand relaxes from the major consuming industry. More toluol is being produced than can readily be absorbed. Phenol was in a well balanced position. Xylol was rather tight at the close. Export demand remained active with some easement in licenses.

Current production of hydrogenated solvents has more than leveled off consuming demand. There seemed to be more phthalic anhydride than consumers require at present. Anilin oil is working into better balance although deferred demand has kept the market relatively tight.

Production figures for August released by the Bureau of Mines show that out of ten listed basic coaltar chemicals, there were six decreases and four increases. The increase in motor benzol was 30.8 percent from the preceding month. Crude pyridine was up 17.6 percent and refined 42.3 percent. The increase in xylol was limited to 1.9 percent. The largest decline in output was in creosote oil where a loss of 7.5 percent was registered. Crude coaltar was down 6.5 percent and naphthalene 6.1 percent. Aside from motor benzol, output of other grades was down 7.2 percent. Toluol output was down 5.9 percent.

Steel operations for the week beginning October 8 were scheduled at 73.5 percent of ingot capacity, compared with 79.7 percent for the previous week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 80.3 percent. The present schedule is equivalent to the production of 1,346,300 tons, compared with 1,459,800 tons for the previous week and 1,743,200 for the corresponding week in 1944.

Production and supply figures recorded in some of the following market reports were released by the Chemicals Bureau of WPB unless otherwise specified.

Basic Products

Benzol—Seemed to be working into a better state of balance. Outlets through domestic and export channels have acted as a check valve on stocks and prevented burdensome accumulations. Current inventories, however, have been sufficient to meet requirements without difficulty. Bureau of Mines places August production at 1,728,514 gallons of motor and 10,324,120 gallons of other benzol.

Creosote Oil — Production of by-product material in July amounted to 2,051,086 gallons, compared with 2,871,196 gallons in June. Stocks at the end of July were 985,609 gallons, against 843,777 gallons on June 30. At present the supply situation is tight under a persistent demand for wood-processing requirements.

Cresylic Acid—Crude output in July registered 2,347,728 pounds, compared with 2,274,887 pounds in June. Stocks at the end of July were 953,212 pounds, against 1,266,924 pounds at the close of the preceding month. Production of refined acid in July amounted to 2,375,299 pounds, compared with 2,076,816 pounds in June. Stocks at the close of July were 1,316,716 pounds, against 1,346,095 pounds on June 30.

Naphthalene—Production of tar distillated less than 79° in July was 17,014,259 pounds, compared with 16,276,643 pounds in June. Stocks at the end of July were 6,868,855 pounds, against 6,485,122 pounds at the close of June. Refined output of 79° and over during July was 6,685,383 pounds, compared with 5,980,097 pounds in June. Stocks on July 31 amounted to 911,149 pounds, against 1,000,871 pounds on June 30.

Phenol—Taking more time to assume an easier supply position than some of the other basic products. A sizable deferred demand is being satisfield in phenol, which is apparently taking current production readily. An easier supply situation may develop later in the Fall.

Toluol—Supply position about the same with material available for prompt shipment. Fair demand for blending purposes with export demand showing signs of expansion.

Xylol—Makers of protective coatings and other consumers did not face much of a supply problem in this material. Fair quantities remained available for prompt shipment.

Chicago, Oct. 11.—Buying of coaltar bases is continuing fairly strong. Purchasers have been showing considerable interest and so far offerings have not tended to expand much from recent levels. Benzol remained firm. Ruling prices exclusive of tax are:—Benzol, pure, in tankcars, 15c. per gallon; 2-degree toluol, same basis, 27c.; industrial xylol, same basis, 26c.; 10-degree xylol, same basis, 30c.; solvent naphtha, same basis, 27c.; creosote oil, 15½c.

Hydrogenated Solvents

Consuming demand was not sufficient to arbsorb output of these solvents and material remained available for prompt shipment. Cyclohexane is finding a fair outlet in the rubber cement industry. Cyclohexanone commanded attention from manufacturers of vinyl resins, with small quantities going into DDT. No improvement could be noted in the methyl varieties, where production has recently been cutback.

Coaltar Acids

Anthranilic — Requirements have been covered, but the supply position was reported tight. Gradual increase in output suggests an improved market position in the near future.

Fumaric — Basic conditions have shown improvement through easement in stocks, but manpower is still short. Inventories remained low and market position continued tight.

Gamma—Available stocks have not increased appreciably as current production has found an active outlet

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.8	127.8	127.8	129.2

For Current Prices see page 9.

Tar and Tar Crudes Output: 1944

A summary of the production and sales of tar and tar crudes for 1942-44, together with an average figure for the 1938-42 period, compiled by the United States Tariff Commission, follows:—

	Average 1938-42	1942	1943	1944
Tar—				
Production* ....gal.	753,237,000	931,100,000	928,100,000	967,526,000
Benzene—				
Production ....gal.	42,968,000	85,257,000	142,047,000	178,392,000
Sales ....gal.	39,906,000	80,779,000	135,980,000	172,503,000
Motor benzene—				
Production ....gal.	86,092,000	68,662,000	24,390,000	†.....
Sales ....gal.	81,865,000	66,698,000	24,530,000	†.....
Toluene—				
Production ....gal.	29,933,000	43,292,000	96,342,000	133,985,000
Sales ....gal.	29,570,000	43,004,000	90,388,000	127,066,000
Naphthalene—				
Production ....lb.	153,202,000	250,926,000	305,269,000	301,138,000
Sales ....lb.	133,647,000	220,291,000	235,305,000	240,512,000
Creosote oil—				
Production ....gal.	127,358,000	175,297,000	175,186,000	160,103,000
Sales ....gal.	125,602,000	174,733,000	156,669,000	162,244,000

* Includes estimated production of water-gas and oil-gas tar.
† Data of production and sales of motor benzene in 1944 have been omitted in order to prevent disclosure of the operations of individual companies.

KOPPERS

Tar Bases

TAR BASES are extracted from coke oven ammonia liquor and coal tar oils.

THE KOPPERS TAR BASES INCLUDE:

PYRIDINES (including denaturing pyridines meeting the commonly-accepted denaturing specifications)

ALPHA PICOLINE

MIXED PICOLINES

2, 4 LUTIDINE

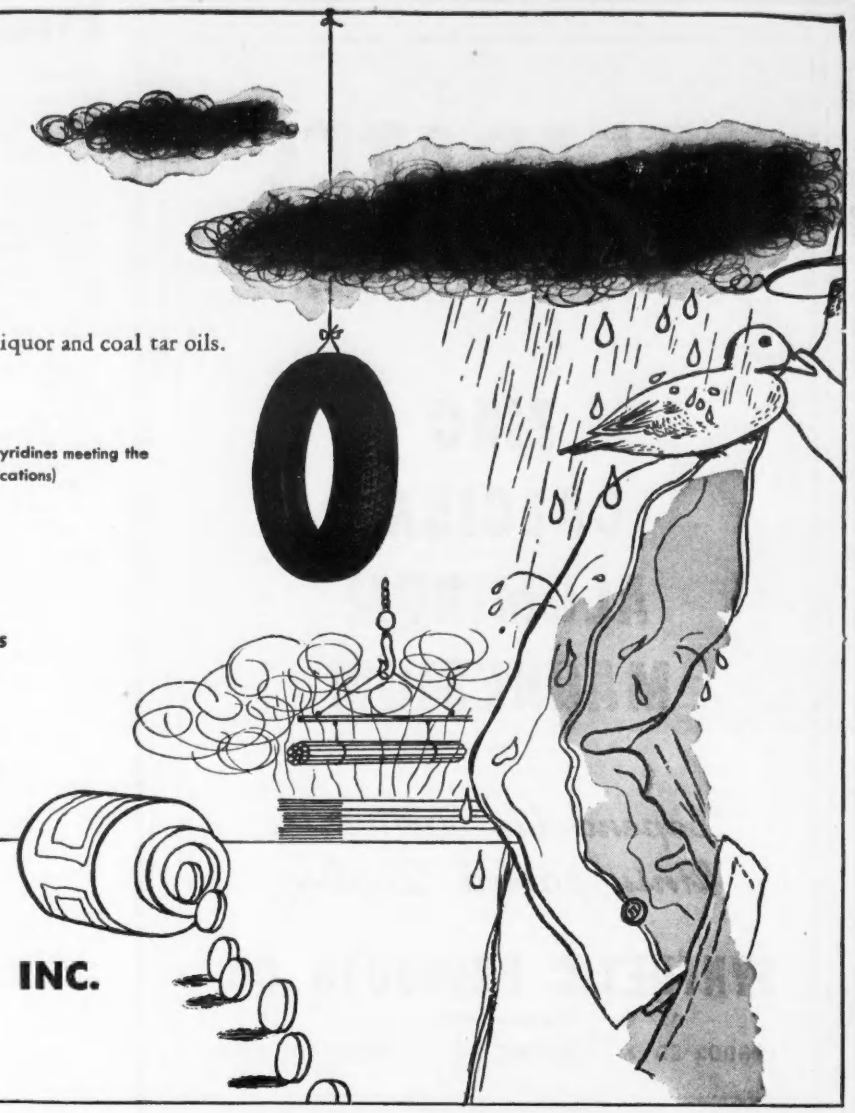
QUINOLINE

WIDER-BOILING FRACTIONS OF TAR BASES
both above and below quinoline

ISOQUINOLINE

These are chemical raw materials for the manufacture of vitamins, medicinals, and waterproofing agents for textiles. They may be used as solvents and as sources of copolymerizing materials for synthetic rubber. Certain higher boiling tar bases are used in formulating steel mill pickling inhibitors.

KOPPERS COMPANY, INC.
TAR AND CHEMICAL DIVISION • PITTSBURGH 19, PA.



Coke By-Products

Estimates of by-product coke-oven operations in the week ended October 5 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	866,937
Ammonia sulphate	lbs.	22,450,000
Benzol	gals.	2,878,952
Coaltar	gals.	10,494,450
Creosote oil	gals.	584,042
Naphthalene	lbs.	1,387,099
Phenol	lbs.	164,262
Toluol	gals.	565,790
Xylol	gals.	127,759

with the regular consuming trade. Prices firm at former levels.

Maleic — Production of the anhydrous grade found a steady outlet in the manufacture of protective coatings and synthetic resins. Inventory position showed little sign of immediate easement.

Picramic — Meeting requirements but not in free supply. Gradual restoration of a normal market expected.

Other Intermediates

Anilin—Deferred demand for anilin oil is taking output in sizable quantities and preventing any market over-supply. The easing of stocks of the basic product favors expansion of oil output if demand increases.

Dinitrophenol — Gradually working into a more normal position under a peacetime demand. Any improvement in the phenol situation should tend to ease the supply position of this intermediate.

Metaparacresol — July production amounted to 544,690 pounds, compared with 362,148 pounds in June. Stocks at the end of July were 311,918 pounds against 169,514 pounds on June 30.

Orthometaparacresol — Output in July amounted to 813,723 pounds against 1,466,427 pounds in June. The supply position in figures was not available.

Phthalic Anhydride—Production was down moderately in July. The total was 10,934,029 pounds against 11,802,442 in June. Stocks at the end of July were 2,494,986 pounds, compared with 2,516,506 pounds on June 30. Prompt shipments of this material were available from an adequate supply that is not burdensome.

Coaltar Colors

Inventories have improved in line with the easement in basic materials. Demand has continued more or less spotty but somewhat better than previously noted. Cotton mills are taking direct and basic dyes with indigo in good demand. In general, the vat dyes have commanded the most attention. Small lots of certified colors have continued to command seasonal attention.

Mixed Isopropanolamine Made Available

Mixed isopropanolamine is now available from Carbide & Carbon Chemicals Corporation, New York. Laboratory tests, have definitely proved, according to the company, that under normal storage conditions, mixed isopropanolamine soaps are more resistant to darkening than are ethanolamine soaps. Because mixed isopropanolamine soaps are completely oil-soluble, they are desirable, also, in "soluble" textile and metal cutting oils as well as dry-cleaning soaps.

This amine product, which is a viscous, hygroscopic liquid with a slightly ammoniacal odor, is completely soluble in water, but only slightly soluble in hydrocarbons. The combining weight of mixed isopropanolamine is 135 to 145, or approximately the same as that of triethanolamine, and for this reason it may be substituted weight for weight in most formulas calling for triethanolamine.

'Canning' in Aluminum Studied

The "canning" in aluminum of valuable war surplus materials, running all the way from heavy machine tools to delicate instruments and electrical apparatus, has been announced as one of the peacetime projects of the Glenn L. Martin Company, aircraft manufacturer, Baltimore, Md.

REPUBLIC
SOLVENT
NAPHTHA

REPUBLIC STEEL
Reg. U.S. Pat. Off.

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BENZOLS
1° — 2° — 90% — Motor

TOLUOLS
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3° — 5° — 10° — Commercial

AMMONIUM SULPHATE • CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

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CORPORATION
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BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Cleveland, O. • Chicago, Ill. • Warren, O. • Youngstown, O. Canton, O. • Massillon, O. • Gadsden, Ala. • Birmingham, Ala.

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ALUMINUM
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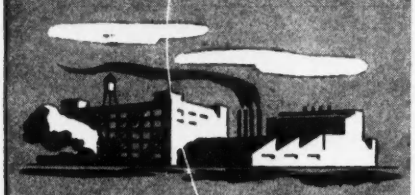
Dependable Deliveries
Unsurpassed Quality

SYNTHETIC PRODUCTS CO.
Established 1917
LONDON RD & EUCLID AVE. CLEVELAND 12, OHIO

PICCOUMARON

a series of Para-Coumarone Indene Resins



Made in several grades for use in the manufacture of a wide variety of products

In the manufacture of such products as: paints, varnish, printing inks, pipe coatings, rubber products, adhesives, cements, flooring tile, PICCOUMARON has been found very useful. It can be compounded with waxes, chlorinated rubber, pitches, tars, cellulose derivatives.

Due to heavy demands for Picco Products, we are sometimes unable to guarantee prompt deliveries of certain types. However, we will be glad to help you select the proper types and grades for your particular use, and schedule the earliest possible delivery for your orders.

Write for specification and application data

Pennsylvania INDUSTRIAL CHEMICAL CORPORATION
CLAIRTON, PENNSYLVANIA

Makers of: Coumarone Resins · Coal Tar Naphthas · Styrene Resins
Rubber Plasticizers · Reclaiming Oils · Terpene Resins

Distributed by FALK CHEMICAL COMPANY, PITTSBURGH, PENNSYLVANIA

Protective Coatings Materials

Though still laboring under the remaining handicaps of work stoppages in several lines of industry which had been counted upon to furnish large civilian outlets for its products, wherewith to compensate it for the loss of its until-recently-gigantic military business, the protective coatings industry continues to forge ahead in carrying out its reconversion program. And, one by one, the most menacing of the obstacles interposed in its progression from wartime to peacetime production and marketing, by restrictions on the use of certain essential raw materials as well as by the recalcitrance of labor unions in many of the consuming trades, are being removed.

Even in the New York metropolitan area, where a serious tieup of shipping by an "outlaw" freight handlers' strike and a work stoppage by journeymen painters had interfered with and retarded the paint industry's smooth transition into successful reconversion, the worst phases of these deterrents have been passed. There remain, however, to distress the paint trade, the stumbling blocks of labor unrest and strikes in the bituminous coal mining regions which are threatening to cripple the production of coke, so essential to the making of steel, and commensurate recessions in the steel and automotive vehicle output.

Some slight indication of the extent to which cancellations and cutbacks in military account orders have reduced the volume of business in the protective coatings industry since the end of World War II is now being supplied by the latest of the monthly reports of the Census Bureau on sales of paints, varnishes, lacquers and fillers.

Reports made by fifty-eight wholesale companies on their sales of paints, varnishes and lacquers for August have shown an aggregate of $3,174,000, which is 2 percent below those for July and 14 percent less than those for the corresponding month of last year.

Of great assistance in the procurement of the lead chemicals needed for the making of white, red and blue lead pigments has been the action of the War Production Board within the past week in removing all restrictions on lead in the production of lead chemicals and the establishment of an overall quota for the making of these lead chemicals.

Metallic Lead and Zinc

Aside from reaffirming its recent actions in apportioning its recently increased allotments of pig lead among protective coatings pigment makers, automotive-type battery and collapsible tube manufacturers, and in issuing its amended lead metal regulation, M-38, and order M-115, outlining this action, the War Production Board has not taken any further steps toward liberalizing the provisions of that order, which, according to its own statement on that subject, is to be continued in force until the end of this year. Insofar as its larger allocations of pig lead to the lead pigment makers is concerned, it has latterly increased the quantity thus apportioned to these lead pigments, to 42,500 tons per month for the fourth quarter.

And now that Bureau has removed all enduse restrictions on metallic lead in the production of lead chemicals and established an overall quota for the production of these chemicals, which are used chiefly in the making of paints, ceramics and glassware.

The increased allocations for auto batteries and collapsible tubes as well as for paint pigments were made possible by the recent 9,500-ton increase in fourth quarter lead allocations to 265,500 tons but WPB has explained that it may be necessary for it to dip into its stockpile if production of metallic lead fails to cover all these requirements.

Prices of pig lead have continued unchanged for the week October 5-11 at 6.35c. per pound in St. Louis, and 6.50c. in New York.

Market Trends

Prices Advanced

Alphapinene, ¼c. per gal.
Gum turpentine, ¼c. per gal.

Prices Reduced

Dibutyl phthalate, 1.1c. per lb.
Dibutyl sebacate, 0.25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

For Current Prices see page 9.

While there is still a more than adequate supply of zinc ore and concentrates, the production of zinc slabs is still falling considerably short of full requirements of the zinc pigment makers, so that the latter are still finding it difficult to obtain all that they need for the making of leadfree zinc oxide.

Quotations for zinc slabs have remained unaltered for the week October 5-11 at 6.25c. in East St. Louis and 8.66c. in New York.

Pigments

Red Lead—Despite the complete letdown of the erstwhile bars on unlimited use of this lead pigment, whenever procurable, makers of this product are still experiencing difficulty in procuring enough pig lead and in amplifying their oxidation process production sufficiently to meet all current requirements, which are still mounting sharply.

Manufacturers are greatly pleased with the action of WPB in eliminating all enduse restrictions on lead in the production of lead chemicals and establishing an overall quota for the making of these chemicals, which is intended to increase the overall of lead chemicals and to provide greater flexibility in their use. This action will do away with any distinction hitherto existing as to the percentages of any lead allowances that may be applied to white lead making and to red lead making.

White Lead—Although considerably benefited by the recent action by WPB in increasing its allocations of pig lead from 33,500 tons to 45,500 tons, with the bulk of this increase designed for white lead making, and by WFA's grant of a 75 percent quota in linseed oil for protective coatings, processors of this lead product cannot fully catch up to the demand with their slowly increasing production by corrosion, as the operation of that process requires full sixty days and they have not had access to the additional allotments of these materials for more than a few days to date.

As expected, WPB has amended the lead chemicals order, M-384, by removing all enduse restrictions on lead in the production of lead chemicals and by establishing an overall quota for the making of these chemicals. This action, effected by an amendment to this order, is intended to increase the overall of permitted quantities of lead chemicals and to provide greater flexibility in their use. Hitherto, producers have been restricted to a maximum quota in each quarter of 55 percent of the aggregate quantity of lead that they put into process for production of lead chemicals during the first six months of 1944. And, by means of a carryover clause, the amended order now permits the use in any later quarters of unused quantities granted under the quota provisions.

Fillers and Extenders

Asbestos—Both Canadian and other imported as well as domestic materials are moving into consumption in steadily increasing volume. Arrivals of a fairly sizable aggregate of 16,989 bags have been recorded within the past week. Brazil's import duties on asbestos have been sharply reduced, from Cr$4,700 to Cr$1,200, equivalent to $60 in U. S. currency per ton gross weight for raw asbestos and from $60 to $50 per ton for fire asbestos.

Gypsum—In moderate call and moving in fair-sized volume into consuming channels at home and abroad. The War Shipping Administration has approved new shipping rates on trans-

For Late Market Developments, See Page 4

STEARATES

Stocks at
- NEW YORK
- CHICAGO
- ST. LOUIS
- PHILADELPHIA
- DALLAS
- BOSTON
- SHAWNEE, OKLA.
- LOS ANGELES
- SAN FRANCISCO
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C. J. OSBORN CO., 132 Nassau Street, New York 7
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KRONITEX AA, (Tricresyl Phosphate)
METHOX (Dimethoxy Ethyl Phthalate,
(Dimethyl "Cellosolve" phthalate)
ETHOX, (Diethoxy Ethyl Phthalate)
(Di "Cellosolve" phthalate)
DIOCTYL PHTHALATE
KAPSOL, (Methoxy Ethyl Oleate)
KP-23, (Butyl "Cellosolve" Stearate)
PHOSPHORUS TRICHLORIDE
PHOSPHORUS OXYCHLORIDE
ANHYDROUS ALUMINUM CHLORIDE

Samples and data on request

'Cellosolve' "Kronisol" 'Kronitex', "Methox" "Ethox" and 'Kapsol' are trademarks

For inorganic phosphorus products, represented by Joseph Turner & Co., Ridgefield, N. J
For plasticizers, represented in New York, New Jersey and Connecticut by Stoney-Mueller, Inc. Lyndhurst, N. J.

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by ALLIED

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ALLIED Stearine Pitch is *always* Uniform. ALLIED pitches are tailored-made to meet the most rigid of specifications. Leading manufacturers find that it pays to use ALLIED Uniform Compounds.

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BALTIMORE Wm. Graham & Co.	CLEVELAND S. S. Skelton	LOS ANGELES Pitts & Loughlin	PORTLAND, ORE Miller & Zehrung Chem. Co
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CHICAGO Philip E. Calo Co.	HOUSTON Joe Coulson Company	NEW ORLEANS E. P. Lestrapes	SEATTLE Carl F. Miller & Co.
CINCINNATI Deeks & Sprinkel	KANSAS CITY John T. Kennedy Sales Co.	PHILADELPHIA Loos & Dilworth, Inc	ST. LOUIS Harry G. Knapp
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BENTONITE
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Micron-sized dust, grit free
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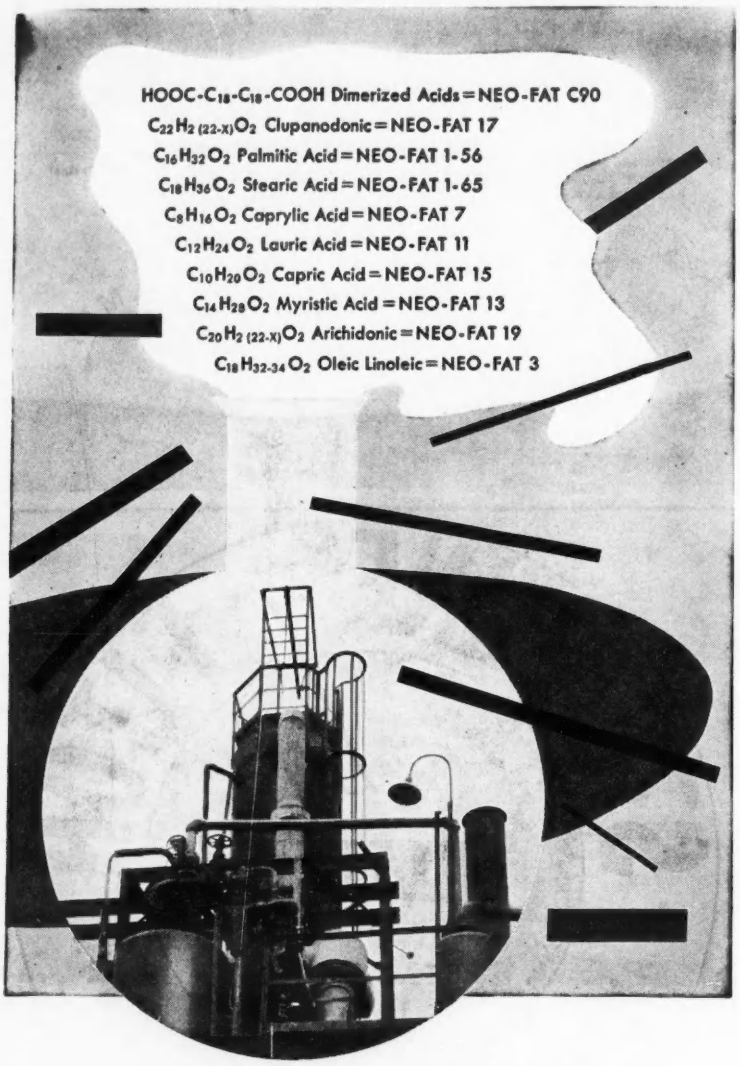
Uniform Quality, for All Uses
THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio


HOOC-C18-C18-COOH Dimerized Acids = NEO-FAT C90
C22H2 (22-X)O2 Clupanodonic = NEO-FAT 17
C16H32O2 Palmitic Acid = NEO-FAT 1-56
C18H36O2 Stearic Acid = NEO-FAT 1-65
C8H16O2 Caprylic Acid = NEO-FAT 7
C12H24O2 Lauric Acid = NEO-FAT 11
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C14H28O2 Myristic Acid = NEO-FAT 13
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portation of gypsum in bulk from Nova Scotia to Atlantic and Gulf ports in the United States, announcing its approval in rate order No. 385, cancelling prior rate orders Nos. 289 and 300. On shipments from one port in Nova Scotia to one United States Atlantic or Gulf port, these rates are now prescribed:—To Boston, $2.50 per ton; to New York, $2.75; to Philadelphia, $3; to Norfolk, $3; to Baltimore, $3.20; to Savannah, $3.90; to Jacksonville, $4, and two Tampa, $5.25. The new rates are effective on loadings completed on and after September 28.

Mica — Exceptional activity now characterizes the market for ground scrap mica, with producers of the wet-ground and finely-powdered grades reporting that they can readily market all they can turn out, and with manufacturers of the dryground grades recording almost equally sizable sales. Prices continue to be strongly maintained. Latest arrivals of strategic mica have included 8 cases of plates, 4 cases of splittings and 83 cases of otherwise unspecified mica.

The Foreign Economic Administration has announced that government purchasing by India of the mica produced in that country will cease November 30, opening the Indian market, by far the largest source of industrial mica, to private trade. Restoration of normal commercial activities in Indian mica after that date will be speeded by an agreement between the government of India and the joint United States-United Kingdom mica mission, to facilitate exportation of trade samples by suppliers. All restrictions on the importation of mica into the United States, except bookform splittings, were eliminated by the War Production Board on September 18. Public purchasing of mica is being continued until November 30, in accordance with an agreement between the governments of the United States and the United Kingdom concerning the termination of the joint purchasing operations in India.

Dry and Chemical Colors

Carbon Black—While interest in the market for channel blacks still centers upon the action of the Office of Price Administration in authorizing a markup of 1.7 cents per pound in the prices which may be asked by producers of the ordinary grade of these blacks for these uncompressed grades, used for making dry-color blacks for protective coatings and by ink manufacturers, this move has failed to stimulate buying by paint makers in either the compressed or beads grades, hitherto reserved for synthetic rubber makers, but now available to all consumers, or of these upward-priced uncompressed grades.

In explanation of its elevation of the ceiling prices on the uncompressed grades, OPA has stated that it authorized this markup to a basis of 5.325 cents per pound, the same level as that prevailing for the compressed grades, in recognition of the higher prices for natural gas, one of the major costs in producing ordinary channel black, and the need for compensating producers for a rollback in prices previously allowed for incremental production.

For the relatively small number of resellers who handle ordinary channel black, an increase of 1.7 cents per pound over their March, 1942, or GMPR levels, has also been authorized by OPA.

Graphite — In steadily mounting call, with prices well maintained. Latest arrivals have included 35,139 bags.

Ocher—Moving in increasing quantities into the paint industry. An arrival of 960 bags of powdered ocher has been noted within the past week.

Driers and Flatteners

Naphthenates—With the recent satisfaction of the most pressing needs of the paint trade, there has been a notable tapering off in the buying of these driers.

Tallates—Moving in greatly reduced volume as buying operations of the paint and varnish makers have waned of late.

Stearates — A fairly brisk demand for these flattening agents continues to be noted, with producers able to sell all they can make.

Lacquer Materials

Dibutyl Phthalate—Though a majority of producers of this material have again refrained from making any revisions in their prices for the new monthly period, October 10-November 9, preferring to wait until the promised amendment to MPR-37 is announced, one leading manufacturer has lowered his price schedule for this period by 1.1 cent per pound to a basis of 16.7 cents in tankcars, 17.7 cents in drums for carload lots and 18.2 cents in less than carlots, f.o.b. his plant, while another big manufacturer has reduced his price schedule by only three-tenths of recognition of his reduced costs of production.

Dibutyl Sebacate—While one leading manufacturer of this material has continued to offer it for the new monthly period, October 10-November 9, on his old price schedule based on 46 cents per pound in tankcars and 48 to 50 cents in drums for carload lots and less than carlots, another of the principal producers has dropped his quotations for this current period by a quarter cent to a basis of 49¾ cents in tankcars, 50¾ cents in drums for carlots, and 51¼ cents for less than carlots.

Naval Stores

An unabatedly strong rising trend in gum turpentine, resulting from the sharply diminishing flow of the crude gum from the trees and the unabated difficulty of moving it from inundated woodlands to the stills, together with an unrelieved shortage of the darker grades of gum rosin while the pale grades continue to accumulate heavily, have again featured the primary markets for these derivatives of the long-lead pine and loblolly trees within the past week, which was shortened by the halting of trading last Friday, in observance of the Columbus or Discoverer's Day holiday.

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Methyl Violet Toners
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Iron Blues
Para Toners
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Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products
STANDARD
ULTRAMARINE CO.
HUNTINGTON, WEST VIRGINIA

Rosin—Between the adverse influences of shortages in the lower grades and the restrictions on purchasing of the plethoric stocks of the pale grades imposed by WPB's rosin use regulation, M-387, trading in gum rosin during the abbreviated week ending last Thursday has been confined to meager lots on the Savannah Naval Stores Exchange and at interior points. Although recourse is being had by rosin consumers in several instances to wood rosin, there is little chance of a notable easing of the tight supply situation in this oleoresinous product by this diversion of purchasing, as stocks of the latter, outside of the FF grade, are almost equally scanty and not expected to be substantially amplified by new plant operations on an increasing scale until early in 1946.

Meanwhile, export interests are becoming more clamorous in their demands, but are being met with adamantine refusals on the part of the government authorities to grant licenses for shipments abroad.

Savannah, Oct. 11.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	*Fri.
B	$6.00	$6.00	$6.00	...	...
D	6.07	6.07	6.07	...	...
E	6.60	6.60	6.60	...	...
F	6.70	6.70	6.70	...	...
G	6.74	6.74	6.74	...	...
H	6.76	6.76	6.76	...	...
I	6.76	6.76	6.76	...	...
K	6.80	6.80	6.80	...	...
M	6.82	6.82	6.82	...	...
N	6.98	6.98	6.98	...	...
WG	7.23	7.23	7.23	...	...
WW	7.50	7.50	7.50	...	...
X	7.50	7.50	7.50	...	...
	Drums				
Sales	1	...	75	...	...
Receipts	17	136	86	...	...
Shipments	...	16	...	...	...
Stocks	6,675	6,795	6,881	...	...

* Trading suspended on the Savannah Naval Stores Exchange in observance of Columbus or Discoverer's Day.

Turpentine—In view of the certainty that there can be no easing of the tight supply situation in gum turpentine before the new crop becomes available, next April, and that the squeeze in the interim between now and then will become more acute as production wanes with the passing of the crop season, a further upswing in the price of this commodity appears inevitable. The first step in this direction has already been taken in the one-quarter cent advance of the official price on the Savannah Naval Stores from 80 cents to 80¼c., very near the level already fixed for the CCC parity, 80.4 cents. And a still further uplift is now looked for within the near future in both the official price and CCC parity.

CCC's total holdings now run to 3,175 000 gallons and it is expected that withdrawals will soon have to be made from this stockpile, but, if drafts thereon become too heavy, CCC may place some form of control on withdrawals in order to conserve the supply.

Savannah, Oct. 11.—Following is a record of the market for the week:—

	Bulk gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Monday	80	700	...	...	6,640
Tuesday	80	...	123	8	6,755
Wednesday	80¼	1,100	13	...	6,768
*Friday	..	...	...	...	...

* Trading suspended on the Savannah Naval Stores Exchange in observance of Columbus or Discoverer's Day.

Synthetic Resins

Ester Gum — With their ceiling prices for this synthetic resin adjusted upward for both gum rosin and wood rosin types to an extent commensuate with the increased cost of these rosins, manufacturers of this compound of glycerin and rosin are rapidly expanding their output. Meanwhile, consumers are becoming more interested in buying, as they are now assured that they have no reason to look for any concessions from the new ceilings.

Varnish Gums

Asphaltum—Buying interest continues fairly keen, with the movement into consumers' hands still reaching a sizable volume, particularly in gilsonite and petroleum-base types.

Copal—Aside from speculation as to when and from what ports shipments of copals from the Philippines and the Dutch East Indies are likely to be made within the next few months, there have been no developments of special interest in the market for this natural resin. Stocks of Congo copal continue small and unlikely to be amplified materially before the end of this year, although fairly regular shipments are still being made from the Belgian Congo in the three ships regularly employed in making this run, as virtually all of the cargoes which are now due here will be delivered to customers by the importers on orders long since placed, without the necessity for obtaining authority from WPB, as formerly, under the now-rescinded allocation order. The cargo of 1,633 bags which reached here at the outset of the month has not yet been unloaded, because of the outlaw strike of the union stevedores at the port of New York, which went into its second week last Monday.

Shellac—Inconvenienced by a recent slackening of the movement of new and old-crop shellac from India and by the continuance of the union longshoremen's unauthorized strike, which has held up the unloading of such small cargoes as have reached here of late, and also irked by a tapering off of new offers from the country of production, importers of this natural resin are finding it increasingly difficult to meet all the requirements of the bleachers in seedlac and T.N., while operations in the bleacheries continue to be held down by the scantiness of these materials and the unrelieved inadequacy of the supply of labor. Cutting operations likewise are still limited by the insufficiency of the allowances of denatured alcohol for this purpose.

Glues and Binders

Casein—With production of domestic casein still being held down by the handicap of price ceilings too low to afford incentives to the dairies to convert their dried skim milk into this material on a large scale, and with little likelihood for a removal of these ceilings until the turn of the year, the casein imported from Argentina still constitutes the bulk of the available supply in the United States. Sellers in Argentina are still asking 19 cents per pound for the acid-precipitated grade, f.o.b. Buenos Aires, and this foreign material is being held here at 23½ cents to 24 cents per pound, with domestic production being offered in a limited way at the OPA ceilings. Only a fair volume of business is being done at these price levels.

Glues—Labor shortages and lack of sufficient raw materials are still restricting the production of both hide glues and processed bone glues to the extent that manufacturers continue to find it impossible to meet all the requirements of their customers; hence are still being compelled to short some of them in making as equitable a distribution as possible among these consumers of the altogether-too-small quantities at their disposal. Latest arrivals of foreign materials have included 151 bags of gluestock, 400 bags of glue bone, and 905 bags of otherwise unspecified bones.

William Krause Joins Smith Color & Chemical

William Krause has been made Eastern field representative for Smith Chemical & Color Co., manufacturer, exporter and importer of dry colors and chemical specialties, Brooklyn, N. Y. Recently. Mr. Krause was honorably discharged from the U. S. Army after more than three years of active service including sixty-four missions in a B-26 Marauder from Sardinia. For ten years prior to his military enlistment, Mr. Krause had been engaged in the pigment and chemical business.

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Chemical Activation and Heat Dispersion in RUBBER

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Rust Prevention in GALVANIZING

High Speed Production, Strength and Accuracy in DIE CASTINGS

Opacity, Whiteness and Brightness in PAPER

Processing and Wearing Qualities in LINOLEUM

Application and Color Permanence in PRINTING INKS

Covering Power and Adhesion in COSMETICS

THE FUTURE

?

To our customers—

A MESSAGE OF APPRECIATION

The wartime demands for zinc in both metal and pigment form were without precedent in the history of the zinc industry. At no time during the war, however, did any military use lack the zinc it required. We are proud of the part which our organization played in the zinc industry's fulfillment of this tremendous wartime program.

Without the splendid cooperation of our customers, however, this record of accomplishment would not have been possible. For this help we are very grateful. With the free exchange of information which resulted from this cooperation we were able to ship a large list of zinc products where and when they were needed most. At the same time, we were able to fulfill all contract obligations.

We earnestly solicit a continuance of this free exchange of information on our mutual problems in the years ahead. The war has taught industry that this type of cooperation can offer many advantages. The better we understand our customers' problems—and they ours—the better we can serve them with materials which will perform most efficiently in their ultimate uses (see panel at the left).

The New Jersey Zinc Company looks forward to the coming years with confidence that continued cooperation between our customers and ourselves in the many fields we serve, or in which we may be called upon to serve, will enable us to operate to the mutual advantage of all concerned.

THE NEW JERSEY ZINC COMPANY

160 Front St., New York 7, N. Y.

HORSE HEAD PRODUCTS New Jersey zinc

Stearates

ZINC STEARATE — For PHARMACEUTICALS, COSMETICS, RUBBER, PAINTS, VARNISHES, LACQUERS, PLASTICS.

ALUMINUM STEARATE — For PAINTS, VARNISHES, LACQUERS, LUBRICATING GREASES, INKS.

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MEFFORD CHEMICAL CO., LOS ANGELES, CAL.

O. L. WEST, PHILADELPHIA, PA.

National Accounts Head

John A. Hornaday has been appointed manager of national accounts for the Sherwin-Williams Company, paint manufacturer, Cleveland. Mr. Hornaday, who has had experience in both sales and advertising, has been in the president's office for the past several years. He will continue to make his headquarters in Cleveland.

Reliance Varnish Plans New Plant

Reliance Varnish Company, Louisville, which since its formation a number of years ago has been located at 915 East Kentucky street, is planning to erect a plant south of Louisville on the main line of the Louisville & Nashville R. R. The company has acquired a site involving 13½ acres of land at the new location.

The company is advertising the old plant for sale, including property 172 x 215 feet, including buildings with a floor space of 29,500 square feet, stating that the sale will be made under provisions that Reliance Paint will continue to occupy the property until sometime in 1947, when it can move to its new plant, and on a basis whereby Reliance Paint will pay a liberal rental to the purchaser of the property, until it can move to its new location.

Cellulose Acetate Data Compiled by Hercules

A revised edition of the technical reference booklet on cellulose acetate has just been issued by Hercules Powder Company, Wilmington, Del. This brings up-to-date the fundamental literature on the three major bases for cellulosic plastics. Revisions of the ethyl cellulose and nitrocellulose booklets were issued several months ago and are still available.

Trade Briefs

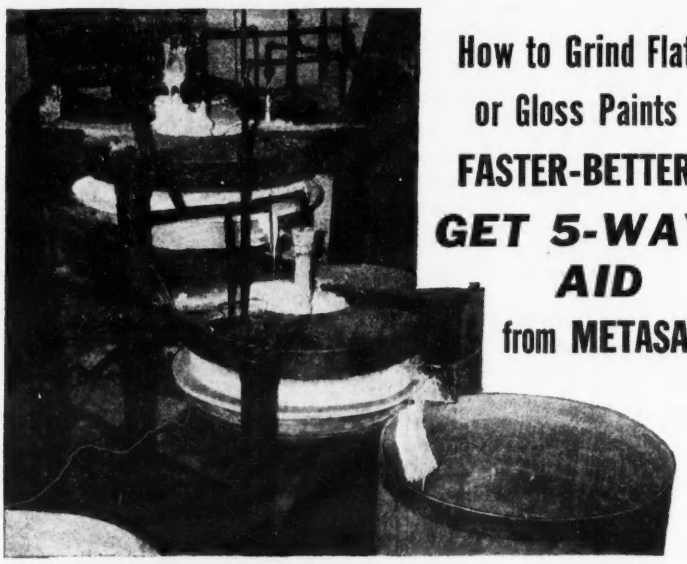
Taylor Fibre Company, manufacture of vulcanized fiber and phenol fiber, will open a plant about thirty miles east of Los Angeles in the Pomona Valley. William Rose will be the manager.

George W. Naylor, recently on the staff of the Production Division, Army Service Forces, with the rank of Lieut. Colonel, entered the employ of General Printing Ink Corporation October 1, 1945.

John H. Martin, chairman of the War Production Board's production readjustment committee, the existence of which terminated last week, has joined the Winton Lumber Company, Minneapolis, Minn.

Federal Adhesives Corporation, New York, is the name of a newly formed organization to deal in mucilage, sizings, glues, etc. Incorporation was filed by Continental Lawyers Albany Service, 305 Broadway, New York.

Tremco Manufacturing Company, manufacturer of paints, varnishes and enamels, Cleveland, Ohio, and Toronto, Canada, has appointed F. M. Paul advertising manager and the G. M. Basford Company, New York, as advertising agent.



How to Grind Flat or Gloss Paints FASTER-BETTER GET 5-WAY AID from METASAP

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1. Promotes faster grinding.
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5. Reduces wear on equipment.

Metasap Metallic Soaps are backed by a Technical Service Department exceptionally well equipped to help you solve your problems whether they apply to Paints, Varnishes, or Lacquers.

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3. Ester-Gums, Pale and Extra Hard—Polyol Esters.
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Obituaries

Harry A. Bonyun

Harry Archibald Bonyun, president and chairman of the board of Benjamin Moore & Co., paint manufacturer, New York, died last week. He was sixty-seven years of age.

A native of Barbados, B.W.I., Mr. Bonyun came to this country forty-four years ago and joined the Benjamin Moore organization as a bookkeeper. He held various positions in the company and in 1923 was elected treasurer. He was elected president in 1943. At the same time he was elected chairman of the board of Benjamin Moore & Co., Ltd., Canada.

Harry A. Bonyun

Surviving are his wife and two sons.

George L. Ball, founder of the Ball Chemical Company, Pittsburgh, Pa., died last week. He was seventy-one years of age. Surviving are his wife, three sons and two daughters.

Alfred B. Johnson, of the Corn Products Sales Company, died in his home in Cynwyd, Pa. He was fifty-two years of age.

Mrs. Alice Sturtevant Howard, wife of Henry Howard, widely known chemical executive and consultant and former president of the Manufacturing Chemists Association, died October 6 in a hospital in Boston. Mrs. Howard was the founder, in 1921, of the American Merchant Marine Library Association and, after serving as president until last July, was chairman of its board. Besides her husband, her immediate survivors are a daughter, Mrs. Charles Townsend, and three sons, Henry S., John B., and Thomas C. Howard.

John W. MacKenzie, president of the Crystal Oil Company, Elizabeth, N. J., died last week. He was seventy-four years of age.

Mrs. Catherine Parker Ransom, wife of William E. Ransom, president of the L. E. Ransom Company, New York, died in her home in this city October 5. Besides her husband, a daughter, Elizabeth F. Ransom, survives.

J.S. Broncato Joins R.M. Hollingshead Corp.

Jacob S. Broncato, formerly chief chemist of the Liquid Veneer Corporation, Buffalo, N. Y., and of the Con Car-Na-Var Corporation, Brazil, Ind., has joined the research staff of the R. M. Hollingshead Corporation, Camden, N. J., according to T. J. Bagley, executive vice-president and director of research. In his new capacity, Mr. Broncato will direct his activities to long-range experimental studies of all phases of wax emulsion.

McDonald Joins Calo Co.

Philip E. Calo Company, manufacturer's representatives and dealers in industrial chemicals, naval stores, oils, resins and waxes, has appointed O. M. McDonald to its sales staff. Mr. McDonald was formerly associated with the American Paint Company, Chicago, and during March, 1942, he enlisted in the Air Corps as an aerial engineer and gunner on B-25 strafers and B-24 heavy bombers.

Goodrich Names Three To 'Geon' Sales Posts

George A. Fowles has been made sales manager for 'Geon' thermoplastics for the B. F. Goodrich Chemical Company, Cleveland, according to John R. Hoover, general sales manager of plastic materials.

Mr. Fowles has been with the company since 1941. J. H. Field, Jr., formerly manager of the company's service laboratory in Cleveland, is named manager of technical service for the sales staff. M. Scott Moulton, formerly technical service engineer for packaging materials, becomes manager of 'Geon' coating and film materials for the paper and textile fields. Clyde D. Segner, formerly technical service engineer in charge of fabric coatings, will become Chicago district 'Geon' sales representative.

Beattie Gets Research Position with A.& P.

Prof H. G. Beattie, formerly with the chemistry division of the New York Agricultural Experiment Station of Cornell University, has been retained by the Great Atlantic & Pacific Tea Company to assist Dr. William H. Cathcart, head of the company's bakery laboratories. In addition to research activities, Professor Beattie will cooperate with Dr. Cathcart in applying the latter's new process of electronix defrosting to the company's nation-wide bakery operations.

Chemical-Resistant Gloves Standard Developed

The American Standards Association, at the request of the government, has completed a war standard for chemical-resistant gloves. This standard sets up specifications and tests which industry can use in rating the performance of gloves made from rubber, synthetic rubber, or plastic material.

Pa. Coal Products Names Three to 'Penacolite' Div.

Pennsylvania Coal Products Petrolia, Pa., recently announced the appointment of three new men in its 'Penacolite' division. Royden C. Rinker will be engaged in resin research, E. Bowman Stratton, jr., in special products sales development, and William Swick in adhesives sales.

Mr. Rinker was formerly in the plastics section of the National Bureau of Standards and prior to that with the Department of Agriculture. Mr. Stratton prior to coming with Pennsylvania Coal Products was in the Washington office of the Plaskon Division of Libbey-Owens-Ford Company. His initial sales development efforts will be largely in the bristle setting cement and casting resin fields. Mr. Swick is initially being assigned to the New England territory where he will handle the 'Penacolite' adhesives.

'Quadrafos' Booklet Issued

"Better Washing with Quadrafos" is the title of the new 22-page manual for laundry operators just prepared by Rumford Chemical Works. This free manual, available from leading distributors of laundry supplies or Rumford Chemical Works, Providence, R. I., tells how to speed rinsing, save up to 30 percent soap, reduce bleach, prevent graying, soften water without alkalies, improve bluing and starching—problems that confront every laundry operator. 'Quadrafos' is anhydrous sodium tetraphosphate manufactured by Rumford Chemical.

E. I. du Pont de Nemours & Co. plans an addition to its Clinton, Iowa, cellophane plant.

A few words will go far in steel drums

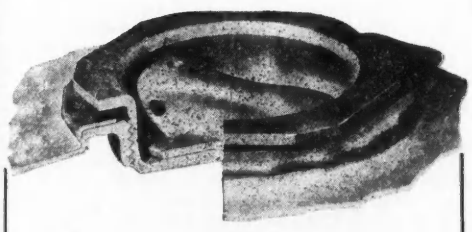
Top assurances that steel drums will give longer, more efficient and thoroughly leakproof service can be obtained by the inclusion of a few words — the right words — in drum orders.

"Drums to be equipped with ViseGrip Closures"

The drums that are built to that specification have the high quality that is basic to the business of all American drum manufacturers . . . *also,* they have strength at the sealing point that surpasses the needs for even the roughest handling in the operations of war.

VISEGRIP Closures are locked into the very drum metal—permanently. VISEGRIP Plugs are made of steel, not a soft, almost-pliable metal. They can be *re*used countless times and they can be relied upon to seal their drums *every* time. The standard plug gasket in VISEGRIP Closures is the VISEGRIP Hycar Gasket. A modern synthetic, this gasket will resist the effects of petroleum products, aromatics, extreme temperatures and almost every chemical.

We feel, sincerely, that it is in the best interest of product protection to have the full story of the construction, insertion and operation of VISEGRIP Closures before every buyer of steel drums. If you do not have it—we shall place it before you, promptly, at your request.



The VISEGRIP Closure is the *all-steel* closure. It seals the drum by locking the drum metal tightly *in a vise.* . . . The drum becomes part of the VISEGRIP Closure and has a single, superior seal.

Drums with VISEGRIP Closures are sealed and safe . . .

With the facts—users of steel drums can specify, confidently:

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Every drum manufacturer in the United States has a stock of VISEGRIP Closures and is equipped to build them into your drums with Rieke dies.

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LARGEST PORTABLE KETTLE BUILT FOR SYNTHETICS. 750 GALLON CAPACITY.
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Toners Production: 1944

Production of toners or full strength colors amounted to 9,279,000 pounds in 1944, according to the United States Tariff Commission. Sales totaled 9,181,000 pounds. Production of reduced or extended toners amounted to 3,451,000 pounds, with sales reaching 3,552,000 pounds. A breakdown of production and sales follows:—

Toners or Full Strength Colors

	Pounds	
	Production	Sales
Blue toners, total	663,000	664,000
Phosphomolybdic acid Victoria blue	35,000	24,000
Phosphotungstic acid peacock blue	20,000	17,000
Phosphotungstic acid Victoria blue	55,000	56,000
Phosphotungstic acid blue, other	14,000	15,000
All other	539,000	552,000
Green toners, total	316,000	285,000
Phosphomolybdic acid brilliant green	36,000	23,000
Phosphotungstic acid brilliant green	30,000	28,000
Brilliant green, other	7,000	6,000
Phosphomolybdic acid malachite green	23,000	19,000
Phosphotungstic acid malachite green	8,000	7,000
All other	212,000	202,000
Maroon toners—		
Lithol maroons	69,000	74,000
a-Naphthylamine maroon	6,000	6,000
Toluidine maroon	58,000	59,000
Orange toners, total	171,000	182,000
2,4-Dinitroanilin orange	72,000	84,000
o-Nitroanilin orange	64,000	65,000
All other	35,000	33,000
Red toners, total	6,684,000	6,654,000
o-Chloronitroanilin red	291,000	312,000
Eosine and phloxine	352,000	211,000
Lithol reds	2,895,000	2,884,000
Lithol rubine	193,000	198,000
Para red, light	793,000	831,000
Para red, dark	392,000	445,000
Permanent red 2B	44,000	45,000
Phosphomolybdic acid red	10,000	5,000
Phosphotungstic acid Rhodamine B	21,000	18,000
Phosphotungstic acid Rhodamine Y	42,000	40,000
Phosphotungstic acid red, other	2,000	2,000
Red lake C	495,000	388,000
Red lake D	7,000	15,000
Toluidine red	1,016,000	1,090,000
All other	131,000	170,000
Violet toners—		
Phosphomolybdic acid methyl violet	20,000	20,000
Phosphotungstic acid methyl violet	33,000	36,000
Methyl violet, other than PMA or PTA	278,000	222,000
Phosphomolybdic acid violet, other	31,000	26,000
Phosphotungstic acid violet, other	7,000	8,000
Yellow toners, total	911,000	918,000
Benzidine yellow	581,000	578,000
Hansa yellow	278,000	293,000
All other	52,000	47,000
All other	32,000	27,000

Toners, Reduced or Extended

Blue toners, reduced, total	901,000	899,000
Phosphomolybdic acid Victoria blue	29,000	26,000
Phosphomolybdic acid blue, other	104,000	137,000
Phosphotungstic acid peacock blue	24,000	23,000
Phthalocyanine blue B	255,000	253,000
Phthalocyanine blue G	.....	2,000
All other	489,000	458,000
Green toners, reduced—		
Phosphomolybdic acid brilliant green	55,000	47,000
Phosphomolybdic acid green, other	7,000	9,000
Phosphotungstic acid brilliant green	37,000	*
Phosphotungstic acid green, other	8,000	59,000
Maroon toners, reduced	5,000	.....
Orange toners, reduced	20,000	14,000
Red toners, reduced, total	1,073,000	1,145,000
Lithol red	142,000	158,000
Lithol rubine	90,000	93,000
Para red, light	128,000	157,000
Para red, dark	151,000	189,000
Phosphotungstic acid Rhodamine B	15,000	15,000
Phosphotungstic acid Rhodamine Y	15,000	11,000
Toluidine red	122,000	106,000
Red lake C	27,000	25,000
All other	383,000	391,000
Violet toners, reduced—		
Phosphomolybdic acid violet	22,000	33,000
Phosphotungstic acid violet	27,000	26,000
Yellow toners, reduced, total	545,000	523,000
Hansa yellow	487,000	464,000
All other	58,000	59,000
All other	751,000	797,000

* Included in phosphotungstic acid green, other.

General Electric Names 2 to Service-Sales Staff

H. M. Anderson and S. H. Wingersky have joined the technical service-sales staff for 'Glyptal' alkyd resins, according to C. K. Mead, sales manager for the resin and insulation matereials division of the Chemical Department of the General Electric Company, Pittsfield, Mass. Mr. Anderson had previously been associated with the Watson-Standard Company, Pittsburgh; the Globe Varnish Company, and the Harrison Paint & Varnish Company. Mr. Wingersky was formerly chief chemist with Raffi & Swanson, Inc., manufacturer of industrial finishes, Chelsea, Mass.

Cotter Heads Bond Drive

William E. Cotter, general counsel for Union Carbide & Carbon Company, New York, has been appointed as Metropolitan district chairman of the War Finance Committee for the Treasury Victory Loan drive, which begins October 29.

Ores Bulk Rate From Cuba Revised

OPD Washington Bureau

The War Shipping Administration announces the cancellation of rate order No. 382 and the adoption of a new rate order (No. 387) covering shipments of ores and ore concentrates in bulk from Cuba to United States Atlantic and Gulf ports.

The new rates, applicable to loadings completed on and after September 28, are:—From Santiago or Daiquiri to one U. S. Atlantic port north of Hatteras, $4.75 a ton, to one U. S. Gulf port, $4.45; from Moa Bay to one north Atlantic port, $6.85, to one Gulf port, $5.95; from Antilla, Pastelillo or Maravi to one north Atlantic port, $6.55, to one Gulf port, $5.65; from Santa Lucia to one north Atlantic port, $6.70, to one Gulf port, $4.85.

Lake Colors Output: 1944

Production of lakes and lake colors totaled 5,532,000 pounds in 1944, according to the United States Tariff Commission. Sales of lakes and lake colors amounted to 4,891,000 pounds in 1944. A breakdown of the statistics follows:—

	Pounds	
	Production	Sales
Black lakes	82,000	75,000
Blue lakes, total	1,747,000	1,231,000
Indanthrene blue	15,000	20,000
Methylene blue	4,000	5,000
Peacock blue (patent blue)	1,551,000	1,077,000
Victoria blues	39,000	33,000
All other	138,000	96,000
Brown lakes	26,000	.....
Green lakes, total	150,000	133,000
Acid green	20,000	20,000
Pigment green	37,000	38,000
All other	93,000	75,000
Maroon lakes—		
Alizarin maroon	48,000	44,000
Azo Bordeaux	232,000	239,000
Helio fast rubine	24,000	27,000
Orange lakes, total	314,000	274,000
Persian orange	221,000	186,000
All other	93,000	88,000
Red lakes—		
Alizarin red	88,000	91,000
Eosine and phloxine	20,000	23,000
Naphthol reds	103,00	65,000
Rhodamines	3,000	4,000
Rose and pink lakes	9,000	8,000
Scarlet 2R	910,000	916,000
Violet lakes, total	103,000	105,000
Methyl violet	90,000	93,000
All other	13,000	12,000
Yellow lakes, total	217,000	197,000
Fast light yellow	24,000	26,000
Naphthol yellow	14,000	13,000
Quinoline yellow	34,000	27,000
Tartrazine	100,000	112,000
All other	45,000	19,000
All other	1,456,000	1,459,000

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Petroleum Derivatives

Under the trustworthy direction of the United States Navy Department, whose fuel supply, together with that of the Army, had been endangered by work stoppages in many refineries, the American petroleum industry has been guided over the shoals of riotous labor disturbances into the smooth sailing waters of renewed production of gasoline, fuel oil, kerosene and numerous other derivatives, urgently needed in large quantities to speed up reconversion.

But, as usual in any recovery from labor troubles, the industry is suffering the torments of a "hangover" from the intoxication of the strikers. Plants which had not experienced the thrill of inebriation are not now being penalized by headaches but those that did—and they constituted a large majority of all the refineries and fractionating capacities of the industry in the Central West, Southwest and Gulf coast—are still suffering from the long-continued halting of their operations and setbacks in their production which they cannot make up for immediately. And, meanwhile, the consuming areas which they serve will have to suffer a shortage and pinch in their supplies of petroleum derivatives.

Every effort will be made by the Government guardians of the recently struck properties to keep production facilities running as best they can until the labor problems have been amicably solved or adjusted and the properties returned to their rightful owners who may then well be counted upon to operate them at full speed ahead. But it is doubtful if pinches in gasoline, fuel oil and kerosene can be avoided in the Midwest and on the East coast, and particularly in the New York metropolitan area, during the ensuing Winter. For, as in the case of the strikes in the bituminous coal mining regions, the damage has already been done, even when a settlement is effected immediately.

Market Trends

Prices Advanced

None

Prices Reduced

None

For Current Prices see page 9.

Solvents and Diluents

Aromatic Solvents—With adequate supplies of petroleum xylol and toluol now available to the manufacturers of these high-solvency aromatic naphthas, no difficulty is now being experienced by these processors in meeting all requirements in both Class A and Class B types or in their blends. In one instance, manufacturers of these solvents are confining their production activities in this line to the production and marketing of the petroleum xylol and toluol and leaving their processing to those manufacturers who remain in this field.

Cleaners' Naphthas—Buying interest continues keen in this naphtha, with civilian account buying running well ahead of the military.

Lacquer Diluent—Still moving in as large volume as it is currently being produced.

Mineral Spirit—Continues in active request, with prices well maintained.

Rubber Solvent—Manufacturers of synthetic rubber are still absorbing virtually the entire output of this solvent.

Stoddard Solvent—Takings of civilian drycleaning interests are now outstripping those on military account with the result that the combined movement is reaching sizable proportions.

V. M. & P. Naphtha—Moving in goodly volume into consuming channels, chiefly in the civilian paint and varnish industry.

Markets at Other Centers

Chicago, Oct. 10.—Tone of the market continues good on virtually all grades of material in the petroleum solvent and diluent classification in this sector of the Midwest, with a brisk inquiry covering the various items.

Los Angeles, Oct. 10.—The market for petroleum solvents and diluents continues increasingly active on the Pacific coast as supplies become available. Prices remain steady.

Lighter Fractions

Butane—Although now available for all enduses, this liquefied petroleum gas is in somewhat diminished supply, chiefly as a result of the recent work stoppage at fractionating plants in the Gulf coast area. One of the leading producers, whose refineries running on this gas were not affected by the strike, also reports difficulties in meeting all requirements of home-heating and cooking consumers as well as of high-octane gasoline makers, synthetic rubber manufacturers and private industrial processers.

Heptane—Still moving in fairly sizable quantities.

Hexane—In unabatedly keen demand but rather scanty supply.

Octanes—Buying interest continues sizable on all accounts.

Pentanes—With the natural waning of military buying in this as well as in all other light hydrocarbons, civilian purchasing is being steadily amplified.

Propane—Demand and supply conditions in this liquefied petroleum gas are almost exactly similar to those prevailing in the market for butane.

Markets at Other Centers

Chicago, Oct. 10.—Call continues generally active for all the lighter hydrocarbons in this group in the Midwest. Buyers are generally eager to procure more of the products in this category than are being offered and the tone is firm.

Los Angeles, Oct. 10.—Market continues active on the Pacific coast in all the liquefied petroleum gases, with more and more supplies in these lines going into civilian channels.

Petrolatums and Waxes

Microcrystalline—Under the leadership of the standard process types, these waxes continue to move in sizable quantities into consuming channels, mostly civilian now that all allocation control has been removed.

Paraffin—Marked shortages continue to be noted in both crude scale and refined grades of these petroleum derivatives, with consumers clamoring in vain for much more of both types than they can procure, although there are no longer any restrictions on their takings, when these materials are available. Some of the higher grades of refined paraffin are wholly unobtainable.

Petrolatum — U.S.P., veterinarian and technical grades of petroleum jelly continue to move in fairly sizable volume into consuming channels, with prices generally well maintained.

White Mineral Oils—Continue in good demand, with prices firmly held on all U.S.P. and technical grades by both manufacturers and other suppliers.

Fuels and Lubricants

Crude Petroleum—A steady recession is noted in the daily average rate of production of crude oil in virtually all the oil fields of the United States, and especially in those of California.

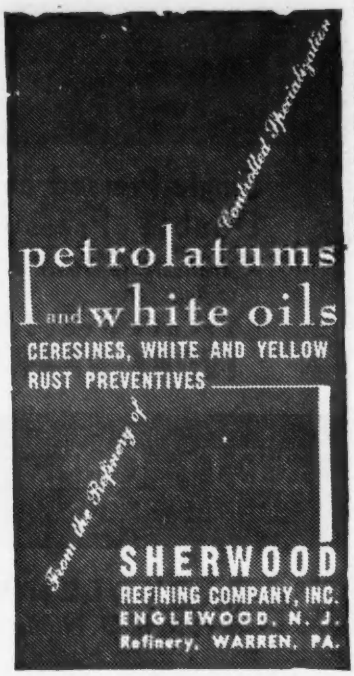
Following the course pursued in clearing another of the government's major emergency pipelines, the "Little Big Inch" pipeline, of its load of fuel oil and gasoline, the "Big Inch" pipeline is to be drained of its load of crude petroleum by pumping in water treated with sodium hydroxide, an inhibitive, to minimize possible corrosion. The Surplus Property Administration has agreed to a proposal to that effect made by the Petroleum Administration for War. In a letter to the Deputy Petroleum Administrator from SPA's administrator, it was explained that the latter agency had agreed to PAW's proposal in view of the fact that oil now in the "Big Inch" pipeline has been sold for immediate delivery and that no contracts have been made for oil to be delivered to that line after October 15. Previously, it had been expected that this pipeline would be disposed of by the Reconstruction Finance Corporation while it was still in operation.

Only last July, both production of crude petroleum and runs of crude oil to the refineries had set new high records. An increase of 37,000 barrels over the May daily average raised the crude oil production rate to a new peak of 4,891,000 barrels, with the Texas output gaining 34,000 barrels, daily to a new record.

Fuel Oil—Prices of bunker C and diesel fuel oil at Buenos Aires and Montevideo have been lowered by 13c. per barrel by one thoroughly integrated petroleum production and refining company which has also reduced its bunker C price at St. Thomas to the same extent.

As a sequel to the recent lowering of East coast refinery prices for fuel oil, the ceiling prices at retail for heavy fuel oil are expected to be reduced November 1.

For Late Market Developments, See Page 4



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Oils, Fats, and Waxes

Brisk demand continued for oils and fats during the week, and while the volume of business was reported moderate, all offerings were readily taken at ceilings. Consuming inquiry continued keen and additional business could have been transacted, if supplies were available.

War Department turned over 80,000,000 pounds of Army surplus butter to the Department of Agriculture for distribution for civilian use, as soon as possible. This will increase civilian supplies during the next few months, the low production period of the year.

Revised rules covering the contract for trading in bleachable refined soybean oil futures on the New York Produce Exchange were adopted by the Board of Managers of the Exchange, October 4. The date of initial trading will be announced later.

Moving to halt diversion of live hogs from customary marketing channels, the Office of Price Administration announced changes in ceiling prices at a number of terminal and interior markets and country buying stations, effective October 9. The action adds three new terminal markets, increases ceiling prices at 43 terminal markets and two interior markets, reduces ceilings at one terminal market, reduces buying station ceilings for the eastern half of Montana 10 cents per 100 pounds, and increases buying station prices for 22 counties in Kentucky 10 cents per 100 pounds.

Cottonseed Oil

An urgent demand for new crude oil continued to feature the market. Seed receipts were delayed by inclement weather which retarded picking and ginning. Crushers were not offering except for immediate delivery, preferring to await a larger flow of seed. Scattered sales of crude oil were reported at ceilings and additional bids were not accepted.

Cotton crop was estimated at 9,779,000 bales as of October 1, by the Department of Agriculture, the smallest crop since 1934, which totaled 9,450,000 bales. The indicated production represented a decrease of 247,000 bales, or 2.5 percent, from the estimate of a month ago, and compares with 12,230,000 bales produced last year, and a ten-year average of 12,293,000 bales. Lint yield per acre will be 260.7 pounds, 32.8 pounds below the record established last year.

Bleachable oil prices follow:—

	Cents per pound in tanks—High.	Low.	Close.
October	....	....	14.31 nom.
December	....	....	14.31 nom.
March	....	....	14.31 nom.
May	....	....	14.00 bid
July	....	....	13.75 bid
September	....	....	13.50 bid

Total sales, none.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12½c., f.o.b. works (all ceiling prices).

Memphis, Oct. 10.—Trading in cottonseed products continued light, though demand was active. Bad weather delayed picking and ginning. Several mills shut down, because of seed scarcity.

Linseed Oil

Tight supply conditions dominated the linseed oil market during the week. Consuming inquiry continued keen, but business was slow owing to the scarcity of supplies, which also affected the call for oil against former contracts. Crushers withdrew offerings for early next year delivery following the acceptance of some business in futures recently, because of the uncertainty of getting seed to cover commitments. Several shipments of seed from the Argentine, estimated at 800,000 bushels, were scheduled to arrive at New York and Philadelphia during the next month for allocation to Eastern mills. This will not relieve the situation to any extent unless additional shipments are forthcoming during the next two months. Eastern crushers seed requirements were estimated at 1,500,000 bushels per month. The market continued strong at current levels.

Minneapolis, Oct. 11.—Demand for oil was far in excess of crusher's ability to sell and the situation was quite tense as considerable orders were refused because of scarcity of seed.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	7,040,000	7,560,000
Since Sept. 1	39,840,000	46,680,000

Los Angeles, Oct. 10.—Demand active but supplies short. Prices were unchanged. Because of negligible local seed offerings, California crushers endeavored to purchase supplies in the Midwest to maintain plant operations.

Flaxseed—Seed receipts insufficient to meet crushers' requirements in the Northwest. Eastern crushers must rely on Argentine seed and the arrival of 800,000 bushels due during the next month will only give temporary relief to the tight oil supply situation.

Minneapolis, Oct. 10.—Volume of seed arriving from the Northwest flax fields continued fair during the past week, but it was not sufficient to meet the crushing demand here. Crusher statisticians considerably worried by the flax situation, predicting that seed for the season will be approximately 40,000,000 bushels under the minimum needs of the United States. Crop news in the Northwest was still fair. Flaxseed caught in the late rain and snow in North Dakota weathered the storm better than originally expected.

Crop movement in bushels follows:—

	Receipts 1945-46	Receipts 1944-45	Shipments 1945-46	Shipments 1944-45
This wk.	1,482,000	885,000	219,500	154,500
Since Sept. 1	10,248,000	6,078,000	1,319,000	850,000

Flaxseed markets in Minneapolis and Duluth during the week were unchanged at $3.10 (ceiling) per bushels for spot and

Buenos Aires, Oct. 11.—Cable not received in time for this issue because of Columbus Day holiday. Shipments, if any, will be included in next week's totals. Seed was quoted at $1.66 per bushel, f.o.b. steamer.

Hull, Oct. 11.—Bombay, £35¾, December-February; Calcutta, £34, December-February; La Plata not quoted.

Other Vegetable Oils

Castor Dehydrated—Brisk demand continued to feature this market. Production sold well ahead. Offerings continued scarce. Prices strong at ceilings.

Corn—Production still light because of scarcity of corn. Supplies continued scanty.

Oiticica—While trading was limited, the market was strong. Supplies on the spot were well held at former levels. Firm conditions prevail in Brazil and offerings for shipment were light and closely held.

Palm — Imports totaled 1,244 tons during the week and were consigned to consumers on allocations.

Soybean—The revised rules in the contract governing trading in bleachable refined soybean oil futures was adopted by the Board of Managers of the New York Produce Exchange, October 4. No date as yet has been announced for the start of trading. Inquiry for oil continued active for all positions. Offerings, however, were reported light. Prices well held at ceilings.

Tall—Buying interest was excellent, since the lifting of trading restrictions. Recent liberal contract cancellations were readily absorbed by paint and soap manufacturers. Inquiry for 1946 production was active and sizable quantities were reported sold for future delivery. Quotations were maintained at ceilings.

Tung—With resale supplies absorbed by users, demand turned to new crop oil and considerable quantities were purchased for future delivery at the ceiling. Stocks on the spot cleaned up.

Atlanta, Oct. 10.—Occasional tankcars of crude cottonseed oil sold at ceiling for immediate shipment. Offerings of all vegetable oils still scarce. Demand for oil meals urgent. Light sales of peanut and soybean meals noted for No-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	191.7

For Current Prices see page 9.

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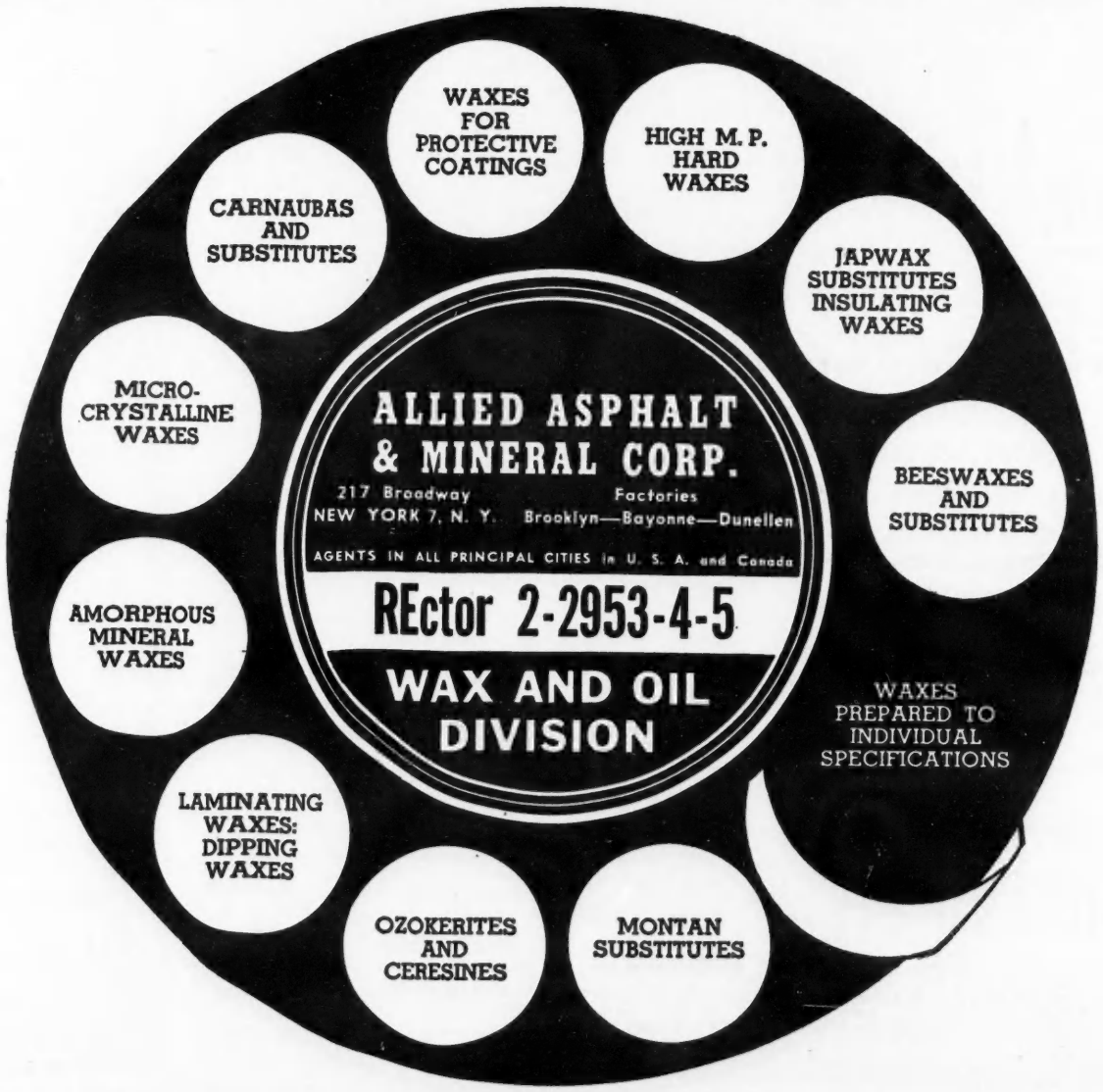
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vember-December shipments. No relief in the shortage of cottonseed meal.

Los Angeles, Oct. 10.—Vegetable oils steady this week, with heavy demand for almost all products. Short supplies limited trading.

Fats and Greases

Greases—Trading continued limited by the scarcity of supplies. Production continued light because of the low hog slaughter. Business was spotty at ceilings.

Lard—Stocks were scarce and demand continued to exceed the supply. Market was firm at ceilings. Department of Agriculture reported purchases totaling 2,186,000 pounds on September 12, 14 and 17.

Tallow — While the output was slightly improved by the increased cattle slaughter, additional offerings were promptly taken at ceilings. Low production of grease has increased buying interest in tallow. Moderate sales were noted at ceilings.

Animal Oils

Degras—Brisk demand for degras continued to keep supplies at low ebb. Prices were strong and unchanged.

Grease Oil—Trading was restricted to small lots for immediate delivery. Prices were unchanged.

Neatsfoot Oil—This market was quiet, with trading light. Quotations were fairly steady.

Oleo—Production sold up and the market was firm at ceilings.

Fish Oils

Cod Oil—Recent arrivals were delivered against contracts. Supplies were scarce and prices were firm and more or less nominal, because of the lack of offerings on spot and for shipment from Newfoundland.

Menhaden Oil—Tight supply of both crude and refined oils continued to hamper business. Crude oil was bid at ceilings with producers not offering. Scarcity of crude has compelled refiners to withdraw offerings of refined. Prices strong at ceilings.

Los Angeles, Oct. 10.—Limited offerings continued to curtail sardine trading this week. Fishing conditions remain good. California Sardine Products Institute reported 134,524 tons of sardines landed this season to September 29, as compared with 127,533 tons to September 30, last year.

Fatty Acids

Red Oil—Inquiry was active and more liberal offerings for nearby delivery were readily absorbed at ceilings. Production was sold well ahead.

Stearic Acid—Under a steady demand and scarcity of offerings, this market continued strong at ceilings. Withdrawals against former orders were in active request.

Chicago, Oct. 10.—Demand for fatty acids active. Offerings light. Prices unchanged at ceilings.

Cake and Meal

Cottonseed Meal—Small production of meal due to the light seed receipts. Demand continued keen, but scarcity of material keeping trading at low ebb.

Linseed Meal—Withdrawals against contracts absorbed meal as fast as produced. Demand was keen and output sold well ahead.

Minneapolis, Oct. 10.—Meal production going directly into consuming channels, and moving by truck and by boxcar to the feeders in the Northwest.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	11,520,000	10,140,000
Since Sept. 1	63,260,000	61,264,000

Waxes

Beeswax — Arrivals were larger than for some time past and totaled 706 blocks and 488 bags and were consigned against former orders. Supplies on the spot were nil. Prices were firm at ceilings. Offerings from foreign sources were scarce.

Candelilla—Market was dull and featureless owing to the lack of offerings from Mexico. Spot market was bare of supplies.

Carnauba—With offerings unobtainable from Brazil at import ceilings, this market continued inactive. Producers were reported disposing of wax at 10 percent above import ceilings to Europe and other countries. Consuming inquiry was keen.

Effective October 10, OPA has added to RMPR 264, amendment 6, putting in appendix A:—Prime filtered Brazilian refined carnauba wax—71¼c. (maximum purchase price net per pound), and in appendix B—(maximum prices for carnauba wax):—Prime filtered Brazilian refined, New York basis.

	Net per lb.
Lump or flake	0.80
Powdered, 20 mesh	0.85
80 mesh	0.85½
100-120 mesh	0.86

Ouricury—While inquiry was brisk, trading was conspicuous by its absence. Offerings for shipment were nil.

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Textile and Leather Chemicals

There was no noticeable improvement in the corn dextrin and starch situation during the past week. Production continued limited owing to the shortage of corn and mills were still operated at about 50 percent of capacity. The bright spot in sizing materials was the increased production of potato starch in Idaho and Maine from new-crop potatoes. Trading was active and contracts for considerable tonnage were booked for prompt and up to next March delivery at current quotations. A month ago supplies of this product were unavailable. Recent imports of tapioca flour from Brazil, were delivered against contracts and surplus supplies were non-existent. Offerings for shipment from that country were not liberal, as the season's production was reported practically cleaned up. Several thousand tons were due to arrive here against previous contracts, during the next month or two.

Although trading in replacements of tanstuffs was quiet, a moderate inquiry in future requirements was noted during the week. Supplies held by tanners are heavy and improvement in business was not expected to reach seasonal volume until after the turn of the year.

Consumption of chemicals was affected by the labor troubles in the textile printing and dye plants. Demand for bichromates appreciably increased since the lifting of allocations by WPB. Consumers were in the market for replacements and good sized orders were booked for deliveries during the month.

The ten-day-old strike of 42,000 textile dyers and printers in 284 plants in New York, New Jersey and Pennsylvania ended Tuesday. The settlement provides for increases of 10 cents an hour for men and five cents an hour for women.

Use of high-tenacity rayon cord in the manufacture of synthetic tires has been extended to include all smaller sizes of synthetic truck and bus tires, according to the War Production Board's Rubber Bureau. Rayon cord may also be used now in the production of all sizes and tread types of synthetic tires built for road graders, tractors and implements. The relaxation was made possible as a result of the reduction in military tire requirements, WPB said.

Chemicals

Alumina Acetate—This market was quiet, but prices were unchanged and steady. Demand has fallen off, owing to strikes in consuming industries. Inquiry was moderate and trading was expected to reach former high levels as soon as labor troubles are adjusted.

Bichromates — Demand for bichromates was more brisk since the lifting of allocations by WPB, and orders of sizable quantities were booked for prompt delivery. Export inquiry also was active, but business was affected by the inability of obtaining licences. Prices were well maintained at ceilings.

Soda Acetate — Although business was reported limited, the market was unchanged and steady.

Soda Hydrosulphite—Consuming inquiry was fairly active for nearby requirements. Withdrawals against former orders were moving in good volume. Prices were well held.

Sulphonated Oils—An excellent demand continued for all grades. Owing to the scarcity of castor oil and tallow, producers were compelled to restrict sales to immediate delivery. Prices were unchanged and firm.

Zinc Dust — Moderate quantities were absorbed against former contracts. Production seems adequate to cover consuming demand. Quotations remain steady.

Dyestuffs

Annatto — Inquiry was moderate, with trading confined to small lots. Quotations were unchanged.

Cochineal—Business was slow. Market was steady and unchanged and reflected the high costs of replacements.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
300.5	300.5	300.6	276.4

For Current Prices see page 9.

Madder—While demand was spotty, limited supplies were held at former levels.

Sizing Materials

Albumen Blood—Under a brisk demand, for prompt and nearby delivery, this market was steady at current quotations. Consumption continued to absorb the bulk of production, and surplus stocks were reported not heavy. Interest in dried blood soluble also was fairly active, with a good volume moving on previous orders. Prices were well maintained.

Albumen Egg—Trading was spasmodic, with consumers confining interest to prompt requirements and not showing much interest in future delivery. Available supplies were moderate. The scarcity of sugar has affected the demand for edible grades. Quotations were strong at ceilings.

Dextrin Corn — Light production continued to restrict trading during the week. Requests against former orders were brisk. Many mills were shut down and deliveries against former orders were about three months behind schedules. Market was firm at ceilings.

Egg Yolk—Supplies were available in moderate quantities for spot and nearby delivery. Trading was fairly active, mainly for immediate requirements. While offerings at present were not liberal, prospects for steady improvement in supplies were more favorable owing to the reduction in the demand for dried eggs for the Armed Forces. Prices were firm at ceilings.

Starch Corn—Acute corn shortage continued to restrict output. Mills were operated at about 50 percent of capacity it was reported. Orders have been accumulating and deliveries were more than three months behind schedules. Prospects were not favorable for early improvement in corn receipts, and it will be a long time before the backlog can be materially reduced, according to producers. Market was firm at ceilings.

Starch Potato — Consumers continued to show active inquiry for prompt and future requirements. Deliveries against recent contracts were moving in tonnage quantities during the past two weeks. Business has been brisk with heavy sales booked for delivery up to next March. Production in Idaho and Maine was reported at capacity. Prices were unchanged and steady.

Tapioca Flour — Conditions continued firm with offerings for shipment from Brazil mainly of the low grades. The high grades were in limited supply. No definite news of tapioca flour situation in Java has been received, owing to political disturbances.

Tanning Materials

Chestnut Extract — Withdrawals against former orders were reported moving in good volume. New business was moderate. Quotations were unchanged at ceilings.

Divi-Divi—While inquiry for shipment showed some improvement, trading was reported inactive. Reports from primary centers indicated a firm market at current levels. Tanners' inventories were reported heavy and little improvement in the demand for replacements was not expected to materialize until the latter part of the year.

Mangrove Bark—Trading was dull and featureless during the week. Interest in future deliveries was inactive. Prices for shipments of good quality bark were firm at former levels.

Myrobalans—Tanners showed little inquiry for forward deliveries during the week, because of heavy inventories. Offerings for shipment were offered freely at former levels.

Quebracho Extract — Recent heavy arrivals appreciably increased tanners' stocks. Inquiry was moderate for nearby and future requirements. Market was steady and reflected the strength at producing centers. Export inquiry was reported active from European consumers.

Valonia — Because of inflation in Turkey, asking prices for shipments were still far above competing materials, thereby stifling any interest in this product.

Wattle Bark—Consuming inquiry was slightly improved for nearby shipments, but trading was reported slow. Offerings for shipment were not liberal and closely held at ceilings. Extract has been commanding more interest than the bark of late.

Miller Succeeds McNutt In Security Administration

Watson B. Miller, assistant administrator of the Federal Security Administration has been named by President Truman as head of the agency to succeed Paul V. McNutt who is returning to the Philippines as High Commissioner.

For Late Market Developments, See Page 4

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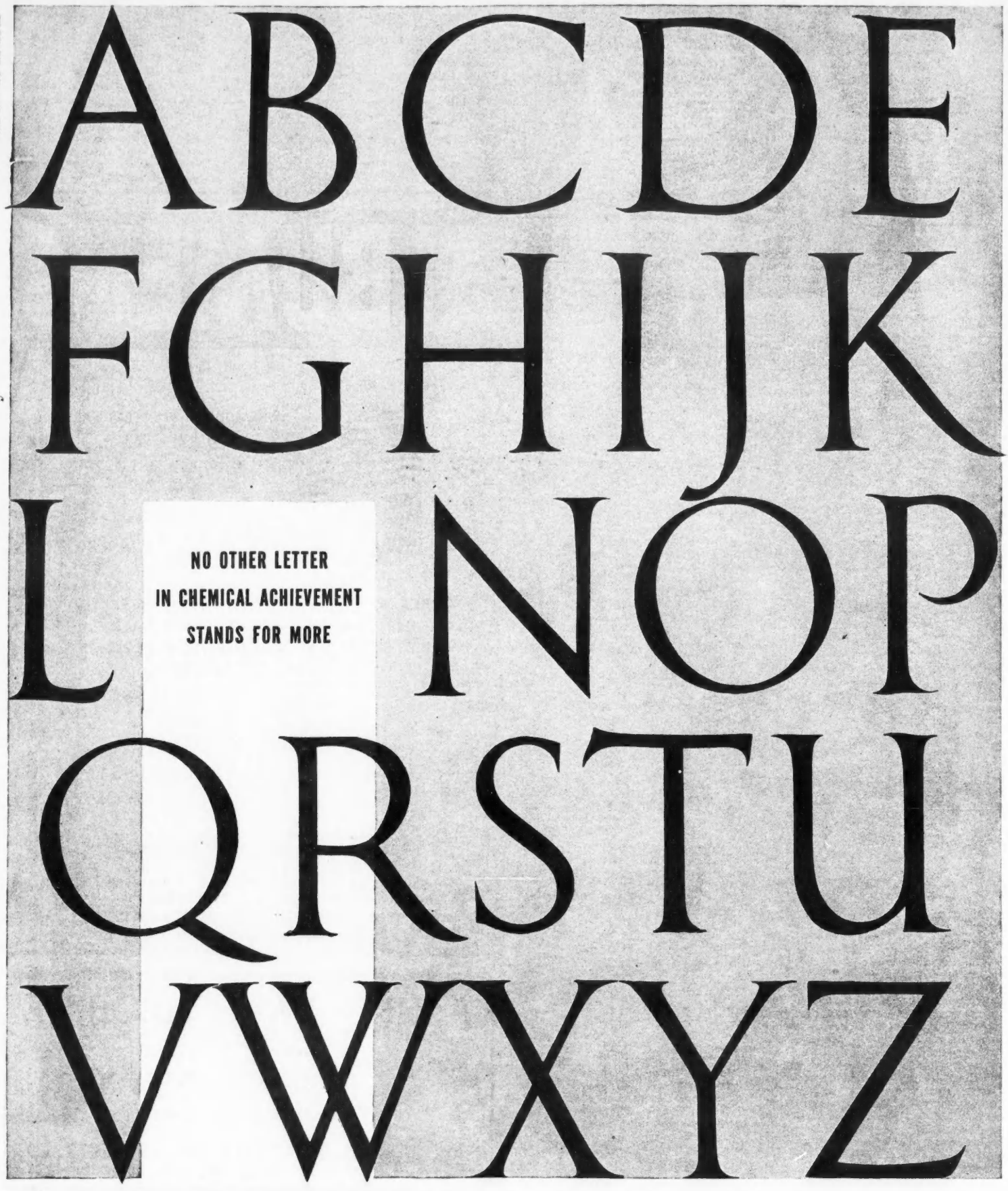

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Drugs and Fine Chemicals

International affairs were prominent in the drug and fine chemical market. Wherever one turned, foreign influences were found at work and not always toward an early restoration of normality in market affairs.

In the Far East, Java was in the news with reports of civil unrest that boded little good for an early return of quinine and cinchona bark to untrammeled trade. Desire of some elements for complete liberty was combined with the desire of most others for nothing less than Dominion status for the Netherlands East Indies jolted Amsterdam circles severely and forecast a roundtable conference between dissident groups and government.

Still in the Far East, labor troubles broke furiously in occupied Taiwan, formerly Formosa under the Japanese. This put a decided crimp in plans that had been pointed toward restoration of trade in Taiwan camphor. Similar disturbances in Hokkaido hit the restoration of Japanese trade in menthol and insecticidal raw materials.

In Europe, a real impasse existed in the matter of getting the raw materials for tartar product manufacture. Latest opinion described the future of such supplies as being dark unless some magic shall bring the buyers of all countries into a more generally acceptable policy on buying. Resumption of normal trade in argols, wine lees, and calcium tartrate would appear to await restoration of vineyards to normal productiveness.

Still in Europe, civil conditions in Spain brook nothing good for quicksilver trade with that country. Fascist and Falangist face each other with angry countenance and strife for the purpose of restoring republicanism in Spain could well interfere with international trade in quicksilver. Italy comes into the quicksilver picture but, so far as this market is concerned, more in relation to the possibilities of Italian makers of mercurials resuming exports to the United States than in connection with exporting supplies of the metal.

Such was the picture in international affairs last week. People throughout the world were in a ferment that cannot but affect progress back toward trade in products they export to this country. As the French put it, *nous verrons.*

During the past week, the U. S. Tariff Commission report revealed that July production of acetylsalicylic acid, butyl acetate, diethyl ether, and sulpha drugs was smaller than in June, while production of ethyl acetate and phenobarbital and sodium salts was larger. Stocks of acetanilide, acetylsalicylic acid, butyl acetate, diethyl ether and ethyl acetate were larger than in June, but stocks of phenolbarbital and sodium salts, riboflavin, and sulpha drugs were smaller.

Effective October 16, OPA exempts emetine hydrochloride, brusine sulphate, thallium sulphate, and aconitum heterophyllum from price control.

One hundred forty-one wholesale druggists reporting to the Bureau of Census aggregate sales of $28,757,000 in August, which was 5 percent more than the July aggregate, and a 2 percent decrease from August, 1944. August inventories increased 1 percent over July, and were 4 percent smaller than August, 1944.

Acetanilide—July production totaled 595,884 pounds, according to the U. S. Tariff Commission. Stocks on July 31 totaled 237,424 pounds, comparing with June 30 stocks at 125,049 pounds.

Acid, Acetylsalicylic—July production was 813,540 pounds, comparing with June output at 882,853 pounds, according to the U. S. Tariff Commission. Stocks on July 31 were 1,098,673 pounds, as compared with June 30 stocks at 1,041,161 pounds.

Acid, Benzoic—The delivery position has shown some improvement and consumers with prompt requirements that press for immediate satisfaction are faced by a more satisfactory situation. At least, the raw material is free from allocation and seems to be in good supply.

Market Trends

Prices Advanced

Menthol, 25c. per lb.

Prices Reduced

Dibutyl phthalate, 1.1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
205.8	205.0	205.5	235.4

For Current Prices see page 9.

Acid, Citric—The picture as to supply of this acid has changed sharply. Recently, producers could deliver but a fraction of civilian users' needs. Today, the makers say that normal requirements can be filled. The sugar situation has improved with the "find" of sugar in Java and a part of the sugar will come to the United States. This should assure citric acid makers via the fermentation with sufficient raw material.

Acid, Tartaric—Manufacturers received additional supplies of raw material, an arrival of 1,009 bags of argols being reported from Buenos Aires. In view of the European situation, which at this time is adverse, the importance of continued shipments from South America gains importance. Demand for acid was reported very good and sales continued to be made at ceiling levels.

Aconitine—This article was provided in quantities sufficient for all pressing needs and sales have been at well stabilized prices regardless of conditions as to raw material supply. The market continues stabilized in price and in fair shape as to deliveries.

Alcohol—Sales were in good volume. Conditions relating to consumption by peacetime industries suggest maintenance of a good volume of trade along lines which many had hoped for and believed in. Some talk of Congress reducing the revenue tax on tax paid ethyl alcohol has gone the rounds without getting out of the talk stage. The past history of tax reduction on pure alcohol is not such as to hold much real hope for actual accomplishment in that direction; taxes on alcohol have a way of sticking.

Aloe—Arrival of a few cases of Cape gum from Capetown, South Africa, has broken the impasse as to supplies of that recently nominal item. However, the tag of scarcity cannot yet be clipped from article.

Bismuth Metal and Salts—Production meets consumer needs in very good shape. More metal is available for the production of salts, demand for which was reported to be very good last week.

Butyl Acetate—According to the U. S. Tariff Commission, July production amounted to 4,709,465 pounds; in June it was 4,874,256 pounds. Stocks July 31, totaled 3,709,301 pounds compared with June 30 stocks at 3,148,643 pounds.

Brucine—OPA removes price control October 16.

Camphor—Conditions in the Far East do not suggest the early appearance of offerings from Taiwan, formerly Formosa, from whence came the world's major supply of crude and refined natural camphor in prewar times. Political and commercial conditions on the island are in a turmoil and strikes by workers in industrial areas have been reported. Fortunately, this country has a highly developed and efficient production of synthetic camphor and elimination of camphor in war industry means more and more camphor for ordinary industrial and medicinal requirements.

Castor Oil—For the first time in several weeks, data concerning imports of beans is nil. That leaves the total of importations since January 1 at 213,419,240 pounds, comparing with 213,613,390 pounds imported during the corresponding time in 1944. Movement of oil into consumption can now broaden since allocation is off and civilian requirements go into first place in sales. Plentiful supplies of raw material should provide sufficient oil to meet current requirements.

Chicago, Oct. 9.—Supplies of castor oil seem adequate to the filling of current

For Late Market Developments, See Page 4

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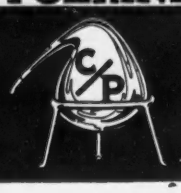

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needs and the general tone of the market remains firm and business is active. Prices are:—Cold pressed, U.S.P., returnable drums, carlots, 13¾c. per pound; drums, less than carlots, 14½c.; tanks, 13c.; No. 3, extracted, drums, carlots 17½c. per pound; drums, less than carlots, 14¼c.; tanks, 12¾c.

Codliver Oil — Oil now being offered over the range $2.20 to $3.25 per gallon prevails, according to vitamin potency. The price on U.S.P. oil starts for quantities at $2.20 and prevails for goods landed some time back and now being tested for potency. Sales are subject to release and approval of the oil. Smaller quantities start at $2.30. High potency oil commands upwards of $3.25 per gallon and is comparatively scarce, and is likely to remain so until new fishing in Norway and Iceland—to start January 1—improves the situation. Sizable stocks of lower potencies remain in Norway, and some has already been bought to come here.

Cream of Tartar—The fairly tight supply situation remains unaltered and seems likely so to remain until such time as raw materials flow more freely at prices which local makers can afford to pay, and still sell the derived product at ceiling levels.

Dibutyl Phthalate—Minimum spot prices were reduced 1.1c. per pound. Tanks now stand at 16.7c.; drums, carlots, 17.7c.; less carlots, 18.2c. One other maker made fractional reduction in prices. The remainder stood pat on their recent quotations.

Dibutyl Sebacate—Minimum prices remain unchanged. Some producers, whose prices had been higher than the minimum quoted by others reduced their quotations but still stood above the lowest of quoted values.

Diethyl Ether — July production totaled 7,223,495 pounds, comparing with the June output of 7,460,412 pounds. Stocks on July 31 were 2,387,655 pounds, while on June 30 they were 1,988,940 pounds. The figures are those of the U. S. Tariff Commission.

Eserine—End of war has not meant end of shortage of this article. It remains very hard to get; sufficiently so that prices are practically nominal.

Ethyl Acetate — A report of the U. S. Tariff Commission states that July production was 9,455,750 pounds; in June, it was 7,902,427 pounds. Stocks, July 31, 5,331,824 pounds; June 30, 4,908,875 pounds.

Fishliver Oils.—The spot activity in fishliver oils was none too great last week, always excepting codliver oil for which good stocks meet good demand. The local supplies of shark-liver and halibut liver oils remain moderate.

San Francisco, Oct. 10.—The fish liver oil market was very quiet here this week, with little trading reported. The situation has remained unchanged for weeks.

Glycerin—Shipments of refiners to regular customers were said to be in fair volume but little material was spared for those buyers who are new to the lists of refiners' customers. Occasional buyers are turned down generally when they attempt to secure goods. The general situation at this time does not make for untrammeled trading. Pricewise, the market appeared to be very steady.

Chicago, Oct. 10.—Call for glycerin is good and the tone of the market holds firm. Generally offerings are not overly heavy, but supply seems ample. Prices are:—Chemically pure, carlots, 17c. per pound, tankcar; 17¼c., drums, carlots; 17¾c., drums, less than carlots; high gravity, 16¾c., tankcar; 17c., drums, carlots; 17½c., drums, less than carlots.

Iron Citrate — Several wholesale distributors appeared to have upped their takings and reports indicated somewhat greater availability of the item because of betterment in the production picture.

Mannitol—This article has been released from allocation. Elimination of allocation has improved the supply situation in numerous derived products.

Menthol—Prices continued their recovery and last week business was done at $4.25 to $4.50 per pound, according to quantity and seller. The future is somewhat in doubt. When World War II began in 1939, the market was $2.85 per pound. When Japan attacked the United States in late 1941, the market was $9. Today it is $4.25 and was as low as $3.75 before the recent price recovery began. A normal price is $3 per pound but in the very far distant future menthol sold under $1. Some think that a stabilized level has yet to be reached and that the downward trend may be resumed. During the past week, 50 cases arrived from Brazil. This was added to spot stocks already rather large.

Mercurials—Quicksilver advanced no further but the recent recovery in value has turned mercurials slightly steadier and talk of a probable price decline has lessened. Whether the spirit that works for a lowering of schedules has changed remains to be developed .

Phenobarbital and Sodium Salts—July output totaled 24,442 pounds, comparing with June production at 21,199 pounds, according to the U. S. Tariff Commission. Stocks on July 31 totaled 30,467 pounds, against June 30 stocks at 33,330 pounds.

Quicksilver—Price advances appeared to have been checked when the market reached $95 to $100 per flask and a steadier situation seemed to have developed. Western points reported little business and on the East coast transactions were conservative.

A memorandum report on the Cochetopa quicksilver prospect in Saguacho county, Colo., has been prepared. Copies of the mimeographed report may be obtained from the Director, Geographical Survey, Washington 25, D. C.

San Francisco, Oct. 10.—The quicksilver market was a little more stable here this week, but trading was slow. Metal was being quoted between $90 and $95 per flask, San Francisco.

Quinine—Restoration of business in quinine from the Dutch East Indies may be delayed by political events in Java. News from Amsterdam last week said that after Dutch political authority is restored in Java, a round-table conference with non-collaboration Nationalists undoubtedly will result in a new status for Indo-Asia, resembling Dominion status. Holland was reported to have been jolted by

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Made General Manager

W. Boyd O'Connor, recently promoted to general manager of the American division of Ayerst, McKenna & Harrison, Ltd., pharmaceutical and biological affiliate of American Home Products Corporation, New York.

developing events in Java, where extremists are demanding complete liberation and where none are disposed to accept less than Dominion status. The situation reacts on restoration of commercial and financial arrangements and since quinine and cinchona bark are prominent in the exports of the N.E.I., restoration of exports may well be affected.

Riboflavin—According to the U. S. Tariff Commission, July production totaled 6,410 pounds. Stocks on July 31 were 21,718 pounds, comparing with 26,450 pounds on June 30.

Sulpha Drugs—During July, 539,683 pounds were produced, according to the U. S. Tariff Commission, which agency had reported June production at 542,678 pounds. Stocks on July 31 totaled 571,019 pounds, against 572,370 pounds in stock on June 30.

Merck 'Cartel' Case

—Continued from page 3

ceutical or chemical products. Merck & Co. is further enjoined from selling any chemical or pharmaceutical product under condition that the purchaser will not resell or export for resale chemical or pharmaceutical products in competition with E. Merck at any place in the world.

Officials of Merck & Co., October 8, denied that the firm ever had a cartel agreement with E. Merck Chemical Works, Darmstadt, Germany. In a statement commenting on the Attorney-General's report that the civil anti-trust suit against the company had been terminated, they said:

For the company, the principal effect of the consent decree entered in the United States District Court at Trenton on October 6, is to terminate a contract which was made in 1932 and which had become obsolete. There never was a "cartel" arrangement or any action contrary to American public interests. The government charges with respect to these matters were categorically denied by Merck & Co., Inc., and the judgment was entered without the court's passing upon them.

The Justice Department failed to state in its announcement that the case was dismissed as to Mr. George W. Merck, president of the company, the only individual named in the suit.

The patents involved all relate to relatively unimportant inventions made or any other important development in prior to the war, and none of them covers penicillin, the sulfa drugs, vitamins, or any other important develompent in which Merck & Co., Inc., has participated in recent years.

Heyden Gets Third 'E' Star

The Cherokee Ordnance Works plant operated by the Heyden Chemical Corporation at Danville, Pa., has been awarded a third star to be flown with its Army-Navy "E" flag in recognition of continuous excellence in war production. All other plants of the Heyden Chemical Corporation have been awarded the "E" flag, and the plants at Garfield, N. J., and Fords, N. J,. have received stars. The penicillin plant at Princeton was recently awarded the "E" flag and is still the only plant whose entire facilities are devoted to penicillin which has been so honored.

Trade Briefs

A. J. Nobile has succeeded Mel Winn as head buyer for Los Angeles Drug Company.

Soap imported in British Guiana decreased from 3,281,188 pounds in 1943 to 972,063 pounds in 1944.

Wyeth, Inc., pharmaceutical manufacturer, Philadelphia, has opened a new branch depot at 480 Union avenue, Memphis, Tenn.

New York Laboratory Supply Company, 75 Varick street, New York, has issued a new catalog on laboratory apparatus and supply.

Dr. Gilbert Stork has joined the scientific staff of the Lakeside Laboratories, Inc., Milwaukee, Wis., in the capacity of senior research chemist.

Simon Vogel was reported by Chematar, Inc., New York, to be marking his twenty-five years of service with the firm, specializing in the export of fine and industrial chemicals.

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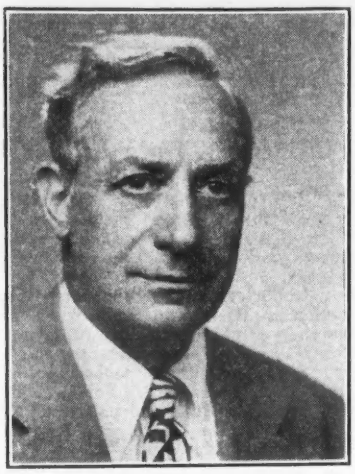

Dr. George William Rawson has been made sales manager of the animal health department of Straub Laboratories Division of the Borden Company. A doctor of veterinary medicine, Dr. Rawson was formerly with Parke, Davis & Company, pharmaceutical manufacturer, Detroit, in charge of the department of parasitology. He joined Parke, Davis in 1923 after a post-graduate course in general biology at the Johns Hopkins School of Hygiene and Public Health.

Stearns & Co. Div. Names J. K. and W. C. Jones to Posts

James K. Jones, formerly professional service representative in northern New Jersey, has been promoted to district manager in Kansas City of the Frederick Stearns & Co. division of Sterling Drug, Inc. He succeeds Fred Newton, transferred to the headquarters office of the division in Detroit. William C. Jones, who has been serving as government representative in New York City, has been named manager of the newly created Southeastern district. He will make his headquarters in Washington, D. C.

Drug Surplus

—Continued from page 3

so within this period, they were not privileged later to bid for the goods in competition with commercial buyers. To speed up the disposition of the mounting surpluses, SPA modified its regulation No. 2 two weeks ago to provide that instead of the thirty-day waiting period, the disposal agencies were to set aside a portion of the surpluses for purchase by the States, and the States were given eighteen days within which to make their purchases. At the same time, SPA lifted the ban on the States' competing with commercial buyers for the surpluses after they are offered on the market.

Manufacturers May Buy

In modifying regulation No. 2, SPA also revoked order No. 1 to the regulation, which had to do with the sale of certain drug and cosmetic products back to the original manufacturers. The action caused some confusion in the trade because it was felt that by the rescinding of the order the manufacturers were being denied the right to repurchase their products.

Officials explain that such is not the case. The reason why the order was revoked, it was explained, was because the thirty-day waiting period was being abolished. What the order did, they said, was exempt the products listed therein from the thirty-day waiting period and authorize the disposal agencies to enter immediately into contracts with the original manufacturers to buy the products back. Since the thirty-day waiting period is no longer being followed, there was no longer any reason for existence of order No. 1, it was stated. The disposal agencies can still contract with the original manufacturers to repurchase their products, it was added, although it will be necessary to wait until after the eighteen-day period has elapsed before entering into such arrangements.

Surplus Reporter Nationalized

It was also learned that the procedure of the Office of Surplus Property Disposal of the Department of Commerce of making known to the trade those surpluses of drugs and other supplies available for purchase is also undergoing modification. Heretofore, each of the regional offices has issued a publication called the "Surplus Reporter" listing all the surpluses of a particular class of products being offered for sale within the region.

This has proved to be an unsatisfactory method of advertising the surpluses, since quite often the surpluses are located in an area far removed from the trade center. Unless the prospective buyer happened to be located in the given region he might never learn of the products being offered. It is proposed now to list all the offerings on a national basis in a single issue of the "Surplus Reporter," to be issued periodically by each of the divisions of the Office of Surplus Disposal.

Ambergris Found

Approximately 250 to 500 pounds ambergris was found floating in the waters off the Azores by the crew of the Victory ship Santiago Iglesias. Arthur O. Wood, captain of the ship, is twenty-six years old and has made only one previous trip as master. Ambergris is worth approximately $200 per pound when refined.

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Dr. Donald Starr Joins S.B. Penick & Co.

Dr. Donald F. Starr has joined the research department of S. B. Penick & Co., New York. He was formerly on the staff of the insecticide division of the Bureau of Entomology and

Harris & Ewing

Dr. Donald F. Starr

Plant Quarantine at Beltsville, Md. Born and educated at Grand Island, Neb., Dr. Starr received advanced degrees in chemistry from Iowa State College at Ames.

For ten years Dr. Starr has been employed as a chemist by the United States Bureau of Entomology and Plant Quarantine abroad and at the Beltsville Experiment Station. Recently he has specialized in chemical problems related to methods of formulating and applying DDT and he will continue similar work with the Penick organization.

Ansco Names Priesing General Sales Manager

Carl W. Priesing, formerly president and general sales manager of the Wahl-Eversharp Company, has been appointed general sales manager for Ansco, according to E. A. Williford, vice-president of the General Aniline & Film Corporation in charge of the Ansco division. Mr. Priesing will make his headquarters at the new general sales office of the Ansco division at 11 West Forty-second street, New York.

Borax Consolidated Sells Block of U.S. Potash

The Borax Consolidated, Ltd., has filed a registration statement with the Securities Exchange Commission, Philadelphia, covering the sale of 50,000 shares of U. S. Potash Company stock. Borax Consolidated owns 212,500 shares of stock beneficially. Principal underwriters will be Lee Higginson Corporation, Paine, Webber, Jackson & Curtis and Blyth & Co., all of New York.

Foreign Trade Rules

Sulphur—The importation of sulphur into Argentina south of parallel 42 deg. without import permit, when destined for the consumption and industrialization of that zone, has been authorized by Resolution No. 7508/945. Importers of sulphur into this zone must declare to the Bureau of Supplies within the 10 days following importation, the quantities imported and their destination (consumption, sale, industrialization). Parallel 42 deg. is the dividing line between the territories of Rio Negro on the north and Chubut on the south.

Trademark—The importation into India of goods bearing a trademark which has not been registered in India is prohibited, effective January 1, 1946, if such trademark is accompanied by the word "registered."

McK.& R. Names Beach Public Relations Head

Brewster S. Beach has been appointed manager of the department of public relations of McKesson & Robbins, Inc., New York, according to William J. Murray, president of the company.

Mr. Beach was commissioned a lieutenant, senior grade, in the United States Naval Reserve, assigned to press censorship, prior to his resignation as partner in Baldwin, Beach & Mermey in the Spring of 1942. He served a year in the Pacific area and was returned to inactive duty last month.

Hastings Made Controller For W.R. Warner & Co.

T. P. Hastings has been named controller for William R. Warner & Co., pharmaceutical manufacturer, New York. Mr. Hastings has been with the company in various capacities during the past twenty-five years. In his new position of controller, Mr. Hastings will be in complete charge of the recently established division of accounts which has been set up as a part of the reorganization program of William R. Warner & Co.

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Botanical Drugs, Spices, Gums

International news affecting botanicals shifted from Europe to the Far East last week. For some weeks past, local importers of Netherlands East Indies products had spared no effort to bring about a restoration of trade between this country and the N.E.I., and some progress seemed to have been made as the result of meetings between importers and representatives of the Dutch Government.

The progress seemed dimmer last week when political news from the N.E.I. jolted financial interests in Amsterdam, Holland. N.E.I. natives appeared to be in a state bordering on if not actually being rebellion. The news reported native desires that ranged from liberty as a national entity to a Dominion status under the Dutch.

Wrecked finances and export company personnels, the result of Nip conquest, two weeks ago seemed the main barrier to immediate restoration of a large business. In prewar times, yearly exports of botanicals to the United States from the Netherlands East Indies amounted to approximately 83,559,200 pounds of merchandise valued at about $5,028,700. The totals divided into two groups. One was condimental—which was about 81,286,000 pounds, valued at about $4,132,800. The other group was botanic drugs, mounting a trade of about 2,273,000 pounds for a value of about $895,000. The drug items were, mainly, derris root, cinchona bark, and cubeb berries. The condimental entities included cinnamon, cassia, clove, nutmegs, mace, and pepper.

To the political chaos, financial insolvency, and wrecked transportation that delays restoration of botanical imports from Europe, must now be added almost identical conditions in the Netherlands East Indies, plus native agitation for complete divorcement from Holland, or at least Dominion status. The return to normality in botanical trade seems unlikely to be achieved very soon.

Price features in botanical drugs last week centered on higher prices for belladonna leaves, goldenseal root, and senega root—all of which are relatively scarce. Blue malva flowers that recently were offered only on a future delivery basis became actually available. Chamomile and valerian from Belgium showed price stability at recently set price levels. Arrivals of henbane in recent weeks have failed to affect values adversely. Inquiries for cantharides won't down—despite the fact that trade advices for months have revealed no stocks and little likelihood of any very soon.

Uusettlement developed in prices for caraway, dill, domestic fenugreek, and larkspur seeds. Zanzibar clove was off a fraction as the result of huge arrivals. Morocco coriander seed, on the other hand, was slightly higher on the week.

Effective October 16, OPA exempts all botanicals in whatever form, either imported or domestic, from price control.

Balsams

Fir—Canadian balsam tended to become stronger and in some quarters values were reported at slightly higher levels. Little competition was possible because of the supply situation and the replacement cost prevailing in the primary market.

Barks

Cinchona—News from Java is bad, politically. Native ferment and unrest afflicts the cinchona growing country where non-collaboration nationalists appear to seek dominion status for the Netherlands East Indies. All of which will affect the plan for an early resumption of cinchona bark exports.

Fringetree—Not very active but exceptionally steady in price, this article was also in moderate spot reserve and conditions do not point to a ready increase in available supplies.

Market Trends

Prices Advanced

Drugs

Belladonna leaves, 28c. per lb.
Goldenseal root, 40c. per lb.
Senega root, 5c. per lb.

Other Articles

Coriander seed, Morocco, ¼c. per lb.

Prices Reduced

Drugs

Fenugreek seed, domestic, ½c. per lb.
Larkspur seed, 5c. per lb.

Other Articles

Caraway seed, Morocco, futures, 1c. per lb.
Syrian, futures, 1c. per lb.
Clove, Zanzibar, ¼c. per lb.
Dillseed, decorticated, ¼c. per lb.
dewhiskered, ¼c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
246.1	240.5	243.3	244.5

For Current Prices see page 9.

White Pine—Seasonal demand has begun to expand and, while most sellers expect to be able to cover the need of those calling for white pine compound, no surplus of the pine bark seems likely.

Wild Cherry—Some gain in demand for rossed thin green market has been noted, but the real pickup is expected to come very late in October and early November. Stocks are moderate, yet probably sufficient to pressing requirements.

Beans

Vanilla—Althougl substantial quantities of beans have reached this market in the past fortnight, deliveries against outstanding contracts written prior to the arrivals have reduced substantially the quantities of beans to be available for warehouse stocks of the leading importers. The cost of the additions to stocks were no lower than that which established prices prevailing for some time past. Those prices continued to be exceptionally firm throughout the past week.

Berries

Juniper—Substantial dependence on domestic berries is still the rule, and reports from the primary market show continued absorption of rather large quantities by the gin manufacturers. Prices for both imported and domestic berries in this market were reported to be very firm and also to be showing considerable stabilization.

Prickly Ash—Although fair quantities have been collected, the supply was obtained at a fairly high cost to the collectors. Although little demand was reported last week, there was also a dearth of competition between the several holders.

Flowers

Arnica—Although not sought for in quantities much beyond those of jobbing size, the mere fact of short supply accounts for the strength shown in prices quoted in all quarters.

Calendula—Reports locally say that not much remains unsold in the domestic primary market in California where a cultivation project supplied goods during war time. European sources have yet to be heard from and a return of prices, even reasonably close to normal, is unlikely until shipments can be made from there.

Malva—The blue flowers reported at $1.30 per pound, to arrive, have reached this market and early last week were offered for prompt delivery at that price. Black flowers were still out of the picture.

Gums

Aloe—Very firm so far as prices go on all varieties available. The position of scarcity in Cape gum was partially relieved by the arrival of 85 cases from Capetown, South Africa. Curacao gum shows strength but prices have not advanced further.

Benzoin—Native unrest holds the Dutch primary market tight and an early resumption of exports to this market is not likely. Dominion status of the Netherlands East Indies is the

For Late Market Developments, See Page 4

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demand of dissident native factions not disposed to collaborate with government if it attempts to restore the prewar relations between the N.E.I., and Holland.

Karaya—Stocks were sufficient to cover demand which, last week, was not very aggressive nor sizeable. A modicum of competition tended at times to make for sales at private terms.

Tragacanth — Most of the old-line houses retain reasonable steady prices for gum priced according to proper classification of quality. Other sellers have been shading the market, especially when need to move warehouse stocks pressed actively. Demand was not particularly active last week save that a fairly good movement of strictly No. 1 ribbon gum was reported.

Herbs and Leaves

Belladonna—The spot market of strictly U.S.P. root was minimum at $1 per pound, and U.S.P. root is not plentiful. According to test the range was to $1.10. Some sub-U.S.P. root was priced under the $1 figure.

Buchu—While no major amount of trade took place last week, there was enough doing to maintain a very firm price position and to keep competition well repressed. Replacement costs continue to be well held in the primary market.

Henbane—Arrivals of moderate quantities have not weakened prices. First costs narrow substantially any tendency toward price competition. Movement was distinctly routine throughout the period and moderate spot holdings were but little reduced.

Miscellaneous

Cantharides—Inquiries arrive more or less regularly and as regularly are rejected on the basis that nothing is available. And so far as can be found in this market, these blistering flies are entirely out of stock.

Dragon's Blood—Conditions in the Far Eastern primary market do not forecast an early return of reeds to this market. Local botanical dealers can offer drops and powder but no reeds.

Ergot—There is real strength in the foreign market prices for this item, but conditions at the sources from which shipment is now possible may alter when Polish ergot "returns from the wars." Local demand pressed lightly at the moment, a fact that does not expand competition on spot.

Manna—Still an article which dealers hope will ultimately become available in Italy on a basis indicating reasonably nearby export. The spot market is as bare as the Hubbard lady's cupboard.

Roots

Goldenseal—Although there is not much call now, it is perhaps as well because there is not much root available at the present time. Spot prices on whole are higher at $8.25 to $8.35 per pound, while for powder, $8.50 to $8.60 is asked.

Helonias—Reserves have not been substantially increased, although hard work in the direction of larger stocks was the rule among dealers throughout the collection seasons. Demand is expected to result in a general strengthening of price views.

Rhubarb—The market appeared to be none too steady since supply was well ahead of demand and some dealers were disposed to reduce holdings to a moderate extent. Though prices were unchanged, it seemed not improbable that they could be shaded with a firm order in hand.

Senega—The market has worked up to $1.80 to $1.85 per pound and holds a firm position that is said to line up with what has been and still has to be paid in the primary market. Little competition was current during the past week, which was rather quiet so far as demand was concerned.

Seeds

Caraway — Morocco seed in future delivery position was down to 67c. to 68c. per pound, at which price, also, Syrian material was offered.

Celery — Prices held reasonably steady, but the tendency toward competition persisted and quantity transactions might go through at slight concessions from the market.

Coriander—The market firmed up slightly and quotations stood fractionally higher at 9¾c. to 10¼c. per

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TRADE MARK

pound, even though demand was not particularly active.

Dill—Lack of interest weakened prices moderately. Late in the period, decorticated seed was down to 13c. to 13½c. per pound, while the dewhiskered item was also off to 8½c. to 9c.

Fenugreek — The relatively low price at which Moroccan seed can be bought has brought a fractional reduction in asked prices on seed grown in California. The latter was priced at 13c. to 13½c. per pound.

Larkspur—A sale was reported made at $1.70 per pound last week, but most sellers continued to want $1.75 to $2 per pound, depending on quantity. Trade was very small.

Spices

Allspice—A considerably firmer undertone was reported, and while prices were held without change, some upward tendency here fitted well with a similar situation in Mexico.

Cassia—The produce of the Netherlands East Indies seems unlikely soon to depart that country for this market. Political conditions that point toward forcing a dominion status for the N. E. I., do not encourage an early return to major exports of an article unobtainable on spot at this time.

Clove—The large quantity of clove spice landed here during the previous week resulted in spot quotations on Zanzibar spice, being shaded to 15½c. to 16c. per pound, which is the price at which the lot had been offered here when it was still afloat to the spot.

Ginger—Major quantities appeared but seldom in transactions last week, but a better than fair amount of jobbing orders proved sufficient to maintain a steady price level throughout the period.

Pimento — Holding very steady on spot and not available save in moderate quantities, nor in all quarters. Jamaica prices were reported to be holding very steady.

Markets at Other Centers

Los Angeles, Oct. 10.—No changes were reported this week in the botanical drugs and spices market. Only light trading was noted due to short supplies. Prices are:—

Marjoram — French type, 35c. per pound in dried form.

Sage—Dalmatian type, 40c. per pound for lots containing less than 12 percent stems. Leucophylla was named at 32c. per pound.

Savory—French type, 75c. per pound.

Sweet Basil—75c. per pound in dried form.

Thyme—French type, 90c. per pound in dried and clean form.

Pickett in Ordance Paint Research Post

The Ordnance Research and Development Center, Aberdeen Proving Ground, has announced that Dr. Charles F. Pickett has been appointed as the civilian replacement for Major D. A. Metz as chief of the Paint and Chemical Laboratory of Laboratory Services.

Dr. Pickett has long been associated with the paint industry, having spent six years with the Sherwin-Williams Company, Cleveland, and the past ten years in charge of the coatings application laboratory of the Resinous Products & Chemical Company, Philadelphia, Pennsylvania.

The Paint and Chemical Laboratory has been responsible for the technical development of many of the United States Army and Ordnance Department specifications dealing with all types of paint products, automotive chemicals and packaging materials and has served as a governmental agency in conducting development and acceptance tests for the Armed Forces.

It is planned by the Ordnance Department that the laboratory will continue as a testing facility with expanded activity in technical research and experimental development in paint and paint products, automotive chemicals and packaging materials.

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Essential Oils, Other Aromatics

Basic conditions in essential oils and aromatic chemicals seemed to be fermenting a trifle last week. While stocks of most articles remained at low ebb and demand held very good, there were various developments likely to affect market trends in the future.

Easier undertones prevailed in distilled ginger, cananga, caraway, and celery oils without prices actually going lower. Ability to replace scarce supplies with moderate quantities of oils obtained at slightly lower cost tended to keep these articles favorable for consumer operations.

News from the Far East was not indicative of an early exportation of such articles as Japanese camphor and Java citronella. Labor and civilian disorders hit at production of Japanese camphor oil, and desire for a larger self-determination in the government of the Netherlands East Indies hampered efforts to restore some part of the former exports of Java citronella and other N.E.I. products. In Java, natives want Dominion status at the very least and some call for total political divorcement from Holland. The British in Ceylon, from whence comes Ceylon citronella, to meet native demand for autonomy in government, proposed a constitution, a parliament, and Dominion status.

French floral oils continued hard to obtain. However, supplies of lavender flower oil contained at least two qualities where but one had existed. Offerings of 38-42 percent esters, and 35-38 percent esters were current in some quarters. But it is proving highly difficult to get a steady export of either lavender or lavandin from France.

It is a bare possibility that the arrival of a huge quantity of nutmegs from Grenada may forerun more plentiful supplies of nutmeg oil. It can, if any of the recent articles are of distillation, not food, grade. But oil was still in limited supply.

In aromatic chemicals, more favorable prices were noted on cinnamic aldehyde and safrol. Benzyl compounds tended toward improved supply. Musks continued in moderate reserve.

Market Trends

Prices Advanced

None

Prices Reduced

Cinnamic aldehyde, 30c. per lb.
Geranium, 25c. per lb.
Safrol, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
224.8	225.5	233.1	261.4

For Current Prices see page 9.

Essential Oils

Almond—Jobbing demand found fair quantities of sweet oil but very moderate amounts of essential oil of any sort. The call for sweet was reported to be very steady and fair in volume.

Angelica—Europe is slow in getting any of this oil to this market. The oil available was produced here mainly because lack of imported oil at any price had created a market for domestic distillation at comparatively high price levels.

Anise—Few have any of the Russian U.S.P. oil but where and when available the market showed strength around $4 per pound. This price was considerably above the normal price for Chinese oil but that oil cannot be bought here now—and won't be for some time to come as restoration of trade with Chine cannot start yet.

Apricot Kernel—Moving very well in moderate quantities. Consumers bought close to actual needs. No surplus stock was in sight and sellers look for a very firm price position to continue.

Camphor—Resumption of imports from Taiwan is unlikely. Political and economic conditions there do not encourage a return to export business in this by-product of camphor manufacture.

Caraway — Though still showing signs of more than the late amount of competition, prices failed of further decline. Reports said they were well in line with production costs prevailing now. Demand was moderate but showed signs of potential expansion when stocks shall become larger and prices more reasonable.

Cassia—Importers still await the opportunity to resume business with China. Meanwhile, consumers have fairly good substitutes available in a number of directions and some producers expect to hold such business even after the return of natural oil.

Celery—Competition was gaining but production cost curbs the possibilities of price shading at this time. It may be different once raw materials and oils get back somewhat near to normal values.

Citronella—Restoration of imports from Java won't be soon nor easy. Political upheaval in the Netherlands East Indies has disturbed even further the already fermented and yeasty relations between government, the people, and commerce. Ceylon oil comes forward only in moderate quantities. Reports indicated that spot stocks were rather slim. Unrest in Ceylon led the British government to propose a constitution, parliament, and Dominion status for the island.

Clove—An importation of 253 drums of oil from Tamatava, Madagascar, tended to bring an element of competition to the market, especially since very large arrivals of clove spice have made more of that material available for domestic distillation. However, the cost of spice has not declined more than fractions and oil can scarcely be produced cheaper in this country now.

Eucalyptus—Hard to get at any price. So little comes from Australia, so inferior have been the shipments from the few other sources offering eucalyptus globulus that the best that any dealer can do is to have a token supply—and most of them do not have that.

Geranium—During the past week, 248 drums reached this market from Tamatave, Madagascar, and quotations on the open market were slightly lower at $16.25 to $17 per pound, ranging according to seller. The failure of shipments to be made from Algeria is worthy of note. In fact, most North African oils are conspicuously absent.

Ginger—Reports said that competition and the cost of production has driven prices on distilled oil about as low as they can go until raw material values shall have receded substantially. However, the market has improved from the standpoint of supply.

Lavandin — Limited quantities are poorly distributed on spot and, while $8 per pound is quoted, not much oil can be had at any price. It is all a matter of getting goods abroad.

Lavender—The spot market has practically no 50 percent ester content oil. However, some 38-42 percent is available at $16 per pound, and some 35-38 percent sells at $14. At the very best, the quantity of flower oil is very small since most of the small quantities obtained and shipped from France went almost directly to manufacturing consumers, or were retained by importers for compounds of their own manufacture.

Lemon—Improvement in supply is expected to make progress. When domestic oil can move entirely to ordinary civilian users, and when another Italian crop and a further reorganization of export and import business with Italy shall have been effected, more oil should flow in normal spot channels.

Mustard—Artificial oil was steady at $1.60 per pound with fairish quantities being reported available now that production has relieved shortages and given most dealers a modicum of reserve supplies.

Nutmeg—To the not large supply of domestic distilled oil was added last week two cases of material imported from Grenada. Also, 2,916 cases of nutmegs came from the same source though it is doubted that they were intended for distillation purposes.

Usually, nutmegs for distillation are those rejected for consumption as food. No sign of imports of raw material being resumed from the Far

For Late Market Developments, See Page 4

East has been noted. Oil was not in abundant supply but still was more readily obtained and at more attractive prices than had prevailed.

Peppermint—Country prices certainly have not slid down sharply since the new crop came to the market. A barrier to a major slump in values has been the need for substantial export quantities of the material. To this time, also, Russian and Brazilian oil have not been depressants on local values.

Spearmint—The outlook for more oil and lower prices is hazy. In fact, it is worse since there seems to be no trace of plentiful stocks and favorable buying conditions for consumers. The market is no lower than $4 per pound and not much is available thereat.

Aromatic Chemicals

Benzyl Benzoate — Surplus stocks amounting to 91,912 pounds in 500-pound drums have been noted in public offerings.

Cinnamic Aldehyde — Quotations were lower at $1.20 to $1.25 per pound and offerings appeared to have increased in size.

Safrol — Spot deliveries were reported available at a minimum of $1 per pound from dealers. Not much demand was reported.

Vanillin — Still holding consumer interest and selling well despite the somewhat improved situation in vanilla beans. However, beans at their current levels make vanillin attractive to some manufacturing consumers.

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Colloid Mills, Homogenizers, Viscolizers

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1 Manton Gaulin Homogenizer; 60 GPH; 8 H.P.....508/W1
1 Union Steam Pump Co. No. 450 Viscolizer with 10 H.P. A.C. Motor 707/A5

Crystallizers

1 Buffalo and Devine 6' Crystallizer, open type.....9725/C
1 Jacketed Horizontal Crystallizer, 6'x13' 9725/D

Digesters

1 Bartlett Snow Steel Digester; 6'x18' 8675
4 Cast Steel Digesters; 54"x9'; Jacketed Agitated.....8675/C
3 Steel Digesters; 5'x13'9"; hinged, bolted covers..... 108

Dryers, Coolers, Kilns

1 Devine Rotary Vac. Dryer; 3'x25' 9127/S8
1 Devine Rotary Vac. Dryer; 5'x30' 8422
1 Gehnrich Festoon Type Dryer; 56"x9'7"x20'6" 8671
1 Buffalo Jktd. & Agt. Vac. Pan Dryer; closed type, 6' dia..... 675

Evaporators

2 Swenson 6' Cast Iron Evaporators with jet condensers.....9882
1 Zahn Evaporator or De-Alcoholizer, 15" dia. x 12' high; 5 H.P. motor..... 487
1 Aluminum Jacketed Vacuum Evaporator; 40"x58".....9908/H3
1 Copper Jacketed Vacuum Evaporator; 30"x50".....9908/H2
1 Pfaudler Glass Lined Jacketed Evaporating Dish; 28"x10".....9794
1 Stokes Copper Vacuum Evaporator; 5' dia. x 5'; complete..... 357

Fillers

2 Pneumatic Scale Aut. Bulk Wt. Fillers 5552
1 Pneumatic Scale Rot. Aut. Powder Filler.....6917
1 Filler Machine Co. 4 Piston Filler 9004
1 Karl Kiefer Piston Type 4 Spout Visco Filler with Reeves Drive.. 781

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1 Kelly Pressure Filter No. 250; 4" spacing; 250 sq. ft.....9763
1 Kelly Pressure Filter No. 450; 5" spacing; 450 sq. ft.....6350
Shriver and Sperry Filter Presses, All Sizes

Kettles

1 Fredericking Cast Iron 1500 gal.; 8'x4'; Jacketed Agitated.....9326
3 Vert. 1000 gal. Jktd. Agit. Cast Copper, Iron, Aluminum Steam Jacketed Kettles
Iron Kettles; Manhole Type....8675
2 Pfaudler Glass Lined Jacketed Kettles or Tanks 5'x5' about 600 gal. closed manhole type..... 754
11 Steel Jacketed and Agitated 1000 gal. Kettles; 5'x8'.....698/H1
17 Steel Jacketed and Agitated 100 gal. Kettles; 34"x34".....698/H18

Send For Complete List

4—A.S.M.E. Pressure Vessels or Impregnators with quick opening doors, jacketed, 200 lbs. pressure 4' id. x 6' id.

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Canada—Well established agents with selling staffs in Montreal and Toronto will be interested in representing or distributing special chemicals or items which are of interest to Paint, Varnish, Pharmaceutical manufacturers or special trades. Contact manufacturing accounts only. Best business and banking references. OPD 330.

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Manufacturing concern would like to add to their line by purchasing going business manufacturing synthetic chemicals, metallic soaps or similar. OPD 347.

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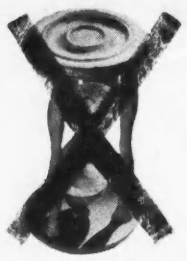
Aromatic Chemical manufacturer is interested in purchasing a small or medium-sized plant, with or without equipment, within 25 miles of New York City. Offers with complete details, which will be held in strict confidence, are solicited. OPD 326.



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1—KOMAREK-GREAVES BRIQUETTE PRESS, WITH 2—32"x24" FACE, ROLLS FOR EGG-SHAPED BRIQUETTES, RATED 25 TONS PER HOUR.
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1—SWENSEN 750 SQ. FT. TRIPLE EFFECT EVAPORATOR AND FINISHING PAN, COMPLETE.

5—DRY POWDER MIXERS, various sizes. To 3000 lbs.
12—OLIVER FILTERS, 4'x6', 6'x6'; wood and iron; 8'x8', 8'x12'.
8—HEAT EXCHANGERS, 50 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.
8—RUBBER LINED Rectangular Tanks; 7—500-gal.; 1—150 gal.

DRYERS

5—Atmospheric TRUCK DRYERS—each has 4 trucks, each truck holds 40 trays, 1,280 sq. ft. tray surface per dryer. Equipped with trays, heating coils, fans, etc.
1—32"x72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYER, m.d.
1—Devine 3'x9' Bronze Double Drum Rotary Vacuum Dryer, complete with all auxiliaries.
2—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZERS or VACUUM PAN DRYERS.
5—ROTARY DRYERS, 2'x24', 4'x30', 6'x40'.
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9—Direct heat ROTARY DRYERS, 4'x30', 5'x30', 70"x30', 6'x60'.
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5—ROTARY KILNS, 6'x60', 8'x126', 8'x135'.
1—5'x12' Vacuum DRUM DRYER, Buffalo Foundry, complete with accessories.
10—ROTARY VACUUM DRYERS: 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 30"x12'.
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1—Buffalo 32"x90" Atmospheric double drum Dryer, complete m.d.
1—42"x100" Buflovak Atmo. double drum Dryer, complete m.d.
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3—4' x 30' ROTARY DRYERS.
1—YORK 40 ton AIR CONDITIONING UNIT with 60 HP motor.
1—Allis Chalmers 15" x 9" JAW CRUSHER.
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And other choice items remaining from liquidation of Chemical Plant at Anniston, Ala.
SEND FOR DETAILS

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6—PEBBLE MILLS, 1—6'x5' Burrstone Lined; 1—32"x42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.
2—18"x18", 24"x24". Jeffrey single ROLL CRUSHERS.
6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 2, No. 0000.
3—Hardinge BALL MILLS, 4'6"x16", 5'x22", also 6'x12' Rod Mill.
2—8'x30" Hardinge Conical Silex Lined PEBBLE MILLS, also 6'x36".
1—5'x13' PEBBLE or TUBE MILL, with open trunions.
10,000 lbs. 2—4" mixed STEEL GRINDING BALLS.
1—500 gal. 5'x6' BALL MILL.
3—ROLLER MILLS, 12x30, 16x40 water cooled.
1—Size "B" Erie City COAL PULVERIZER, with 40 P 3/60/220-440 V. Motor. Rated 2000 lbs. per hour.
1—U. S. COLLOID MILL, 6" Stainless Steel Rotor, 5 HP AC Motor.

23—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.
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1—Pneumatic Scale Co. Auto. tight WRAPPER.
1—36" dia. Cast Iron COLUMN, 23" high.
2—Batteries of two each TYLER HUMMER SCREENS, 4'x5', single deck, other sizes.
1—Devine duplex VACUUM PUMP, 16x16x12.
3—STOKES steam heated WATER STILLS, 5, 10, 100-gal. per hour.
1—New 5 HP geared head PORTABLE AGITATOR drip proof motor, stainless steel shaft and 2—14" stainless propellers.
1—Abbe Blutergess SIFTER No. 1.
9—Dopp C.I. Jacketed KETTLES, 25 gal. to 100 gal.; 30—steel, cast iron, jack. up to 2000 gal.
1—Shriver Iron FILTER PRESS, 42"x42", 30 chambers.
8—50 gal. copper steam jacketed VACUUM PANS. Other sizes up to 750 gal.

2—4-Roll RAYMOND HIGH SIDE MILLS, equipped for vacuum air separation—one with latest "whizzer" separator, one with double cone vacuum separator. Each including exhauster, cyclone collector and inter-connecting piping.

LIQUIDATION

Machinery and equipment of small Paint Plant—Roller Mills, Stone Mills, Paste Mixers, Change Can Mixers, etc. Send for details.

2—200 gal. GLASS LINED jack. KETTLES.
1—Riehle friction grease TESTING MACHINE, cap. 10,000 P.S.I.
1—400 gal. horiz. rubber lined MIXER.
3—Beach-Russ No. 10 ROTARY VACUUM PUMPS with V-belt drive m.d.
1—Pneumatic Scale straight line BOTTLE CLEANER.
3—150 gal. aluminum TANKS, cone bottom.
1—Stokes No. 21 GRANULATING MIXER 50 lb. belt driven.
1—Colton TUBE or JAR FILLER No. 0.
2—Jones Automatic CARTONERS.
2—Anderson PACKAGING UNITS.
1—Stokes Rotary DDS TABLET MACHINE, 23 punch, maximum 1¼"; 1—Stokes O single punch, up to ¾"; 2—Stokes N single punch ½".
1—U.S. Bottlers, 22-spout Rotary Vac. Bottle Filler, m.d.
3—Sharples No. 6 Clarifiers and Separators, m.d.
4—DeLaval Clarifiers and Separators, m.d.
1—York 4"x4" Ammonia Compressor.
1—Portable Revolvator 1000 lb., 11" overall height, m.d.
1—Doig 4-track Nailing Machine, m.d.
1—F. J. Stokes auger Powder Filler.
1—McClellan Dry Powder Tumbling Mixer, 1500 lbs.
1—J. H. Day Size 10 Jack Imperial Mixer, 30 gal.
9—Copper & ALUMINUM steam jack. KETTLES, 50 to 500 gal. Some with agitator.

1—Bucket Elevator, steel enclosed—78', c. c. including smaller elevators, screw conveyors, etc.
2—No. 0 Raymond Beater type pulverizers, each equipped with air classifier, exhauster, cyclone collector, tubular dust collector and inter-connecting piping.
1—Kritzer Lime Hydrator, 6 cylinders, capacity 6 tons per hour.
1—Sturtevant Rock Emery Mill with 40 H.P. Motor.
3—60-440 volt Motors and Starting Equipment will be included with all of the above machines. All other bucket elevators, screw conveyors, etc., included.

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Varnish Formulator wanted — Excellent opportunity for right man. Reply in complete detail. OPD 348.

Paint and varnish chemist: medium size, well established, well-known and progressive Eastern manufacturer has a really good opportunity to offer for a man who has general all-around experience with shelf goods and industrial products. Excellent salary and bonus arrangement. Splendid opportunity for postwar, as our plans call for expansion and additional plants. Rest assured your replies will be held strictly confidential. Our employees know of this ad. OPD 316.

POSITIONS VACANT

Paint and Varnish Chemist: Medium size, well established, well-known and progressive Ohio manufacturer has a really good opportunity to offer for a man who has general all-around experience with shelf goods and industrial products. Excellent salary and bonus arrangement. Splendid opportunity for post-war as our plans call for expansion and additional plant. Your replies will be held strictly confidential. Address OPD 320.

Research Chemist, lacquers, nitro cellulose and kindred fields. Knowledge of synthetics. Send complete resume. Box 230, suite 617, 1457 Broadway, New York City.

POSITIONS VACANT

Postwar program requires services of two chemists, experienced in manufacture of pigment colors. Interesting position with unlimited advancement. Submit complete information stating previous experience, educational background, etc. Replies confidential. OPD 325.

Research Chemist to produce new and different cosmetics. Must have creative mind. Send complete resume to Box 229, suite 617, 1457 Broadway, New York City.

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1—SCOTT QUADRUPLE EFFECT EVAPORATOR, APPROX. 2,500 SQ. FT. PER EFFECT
2—HORIZONTAL, STAINLESS STEEL TANKS, 3,000 GALS.
3—VACUUM SHELF DRYERS BUFLOVAK WITH 12—60x80" SHELVES, DEVINE WITH 13—59x78" SHELVES, DEVINE 13—40"x43" SHELVES
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1—BAKER PERKINS (W. & P.) 100 GAL. STEAM JACKETED MIXER, DOUBLE ARM
5—ROLLER MILLS: KENT 4 ROLL, 13"x32"; ROSS 3 ROLL, 12"x30"
1—AMERICAN 2 DISC 6' FILTER
2—TYLER HUMMER 3' x 5' SCREENS
1—HARDINGE 4½' x 16" BALL MILL
3—ABBE 50, 175, 200 GAL. PEBBLE MILLS
1—ABBE JACKETED BALL MILL, 50 GAL.
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1—OLIVER ROBISON 6'x4' TOP FEED NI-RESIST FILTER
3—ROTEX TRIPLE DECK SIFTERS, 40" x 84", 20" x 80".
1—BUFLOVAK 5' x 6' ATMOSPHERIC DRUM DRYER
1—NO. 2 SWEETLAND FILTER
5—COPPER VACUUM PANS 30", 42", 5' & 7' DIA.
3—POWDER MIXERS, 400 LB. AND 2,000 LB.
2—PROMULSION MILLS, STAINLESS STEEL, 3 HP
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1—125 gal. Pfaudler Jktd. Kettle
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2—6'x60' Rotary Dryers or Kilns
2—6'x27' Rotary Steam Tube Dryers
1—5 Roll Raymond Mill
1—Filler Machine Co. 6 Spout Filler
1—Stokes Style F Single Punch Tablet Machine ¾"
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall
2—Kiefer No. 3 Visco Rotary Fillers
2—Bantam 2TH Mikro Pulverizers, motor driven.
45—Drying Rack Trucks, on wheels
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12—Lead Mixers, 80, 100, 140 gals.
2—Day, Nos. 10 & 20 Imperial Double Arm Mixers, 30 & 50 gals.
1—Howes 24" x 12' Powder Mixer.
5—Oliver Filters, 5' x 8' to 8' x 10'
6—Shriver Sperry Filter Presses, 36", 32", 30", 24", 18"
5—Shriver Wood Filter Press Skeletons, 24" to 48"
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3—Hardinge Mills, 2'x8", 4½'x2'
1—Jeffrey Hammer Mill, 24" x 13"
2—Kent 20" Tandem Stone Mills
2—Kent Lab. 8" Stone Mills
3—Sharples No. 6 Presuritie, De Laval No. 600 Clarifiers
3—American Tool 42" suspended type Centrifugals, stainless steel baskets, motor driven
2—Tolhurst 32", 40" suspended type bottom discharge Centrifugals solid baskets
4—American Tool 40" and 45" Centrifugals
3—Buflovak Vacuum Drum Dryers, 24" x 20", 48" x 40", 5' x 6'
3—Atmos Drum Dryers 4'x9', 5'x7'
6—Copper and Steel Vac. Pans, 50 to 750 gals.
3—Steel Jacketed Kettles, 600 to 1,200 gals., some agitated
2—Swenson Continuous Crystallizers, 24" x 30'
2—Devine 8" x 6", 10" x 10" Two Stage Vacuum Pumps
3—Condensers, 50 to 200 sq. ft.
2—1,750 gal. Lead Lined Closed Tanks
2—80 and 125 gal. Dopp Jacketed Agitated Kettles

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Steam Jacketed Kettle 9' dia. 5' deep with agitator (new).
Copper tank with agitator and coil 66" dia. x 7' high.
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Sterilizers or Pressure Cookers (new), 18"x18" on steel legs with gasoline burner, clamp down cover, safety valves and gauge—$75.00 each.
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High Pressure Steel Tanks

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1—Hardinge 6'x48" Conical Mill.
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1—Sturtevant 36" Rock Emery Mill.
1—Williams Hammer Mill, 24" D. x 12" F.
30—Centrifugal & Rotary Pumps.
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2—Batteries (9 & 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.
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3—New 100 gal. Stainless Steel Tanks.
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1—Day 100-lb. Powder Mixer.
12—Filter Presses, Iron, Wood and Rubber 18" to 42" sq.
1—P. & S. 12 Truck Atmos. Dryer.
3—Tolhurst 26" & 40" Centrifugals.
5—0000 and No. 0 Raymond Mills.
2—Bonnot 27" dia. Iron Filter Presses.
12—Vertical, jacketed, agitated kettles & Autoclaves up to 1,500 gals.
2—350 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, agit. jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel Tanks, Nettco Drives.
2—Cherry - Burrel Homogenizers. 300 GPH.
2—Blystone 2,000 lb. jacketed, horiz. Paddle Type Steel Mixers.
6—Horizontal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. jack. Spiral Mixer.
1—Howe Barrel & Bag Packer.
2—4,000 gal. vert. Acid Proof Tanks.
3—Devine Horiz Vac. Pumps. 8"x6"x4"x6".
2—Wall Vac. Pumps, 4"x2½".
1—Devine No. 37X, Vert. Condenser & Receiver.
1—Oliver 14"x8" Duplex Vac. Pump.
1—Penn. Vac. Pump, 14"x5".
1—National Acme Model C20, stainless steel Centrifuge.
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1—De Laval Separator, Lab. size.
1—Ross 2 Roll Granite Stone Mill. 8"x12".
1—Ross 16"x40", 3 Roll Mill.
3—Double Stand Steel 4, Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
3—Stone Mills, 8" to 32".
6—Lead & Paste Mixers, 50 & 60 gals.
3—Copper Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
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2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
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Stainless Steel Pasteurizing Equipment incl. Holding Tank, Precision Heater, Preheater and Circulator. Like New.

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LAWRENCE TRIPLE EFFECT EVAPORATOR. Complete in one body.
9—COIL-TYPE VACUUM PANS. (Complete with Condensers, Catchalls, etc.)
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Paint Chemist, experienced in paint and varnish formulation for sealers, caulking compounds and adhesives. Permanent position with expanding Midwest manufacturers. Write OPD 349.

Chemist—Young, experienced, production and research textile and tanning oils, manufacturing plant metropolitan New Jersey. Submit complete details, qualifications, experience and salary desired. OPD 354.

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Chemical Salesman: Top-flight salesman in chemicals, age 41, eight years' experience sales and executive fields in raw materials for paint and allied industries; six years production control work for large defense plants, desires new affiliation. Broad business background. OPD 353.

Experienced in crude drugs, botanicals, herbs, seeds, spices, essential oils, etc. Import-export broker or import agent's office preferred. Salary expected, $55.00 with chance of advancement. OPD 359.

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Stockholders of the Newberry Lumber & Chemical Company, Newberry, Mich., have sold their plant in its entirety to Consolidated Products Company, New York. This property comprises approximately 234 acres located on the main line of the Duluth South Shore and Atlantic Railroad some 60 miles east of the Sault Ste. Marie. It is the purpose of Consolidated Products Company to have other interests take over and operate this plant in its entirety.

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Sgt. Rorke Liberated From Jap Prison Camp

Sgt. Edward F. Rorke has been liberated as a Japanese prisoner of war and is in good physical condition, according to information received from the War Department by his mother, Mrs. Margaret Hayden Rorke, managing director of the Textile Color-Card Association, New York.

Serving in the 803rd Engineers Battalion under Major General Edward P. King, Jr., Sgt. Rorke reached the Philippines several months before Pearl Harbor. He fought through the Bataan campaign and was in the march of death. Reported as missing in action for two years, he was transferred in June, 1944, to a prisoner of war camp in Osaka, Japan.

Contract Settlement Chairman Appointed

OPD Washington Bureau

Edward J. Dimock has been appointed chairman of the Contract Settlement Appeal Board, succeeding Robert S. Stevens, dean of the Cornell University Law School on leave, it has been announced by Robert H. Hinckley, director of Contract Settlement. Dean Stevens has been recalled to Cornell University for the school term commencing this fall.

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